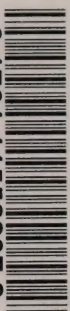


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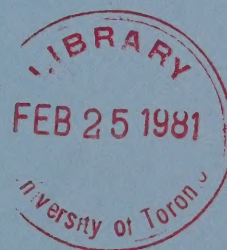


**DATA RECORD OF CURRENT OBSERVATIONS
VOLUME VIII**

**DISCOVERY PASSAGE, JOHNSTONE STRAIT
AND QUEEN CHARLOTTE STRAIT**

**PART 2 - APPENDICES (LISTING OF WATER PROPERTY DATA)
APPENDIX B(1) - 1976 and 1977**

by R.E. Thomson, W.S. Huggett and L.S.C. Kuwahara



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V8L 4B2

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Sidney, B.C.

1980

APPENDIX B

Listings of physical properties, time-series stations: temperatures, salinity, sigma-t and sound speed.

Units are: depth -- metres; temperature -- degrees celsius; salinity -- parts per thousand; sigma-t -- no units; sound speed -- metres per second. The header for each cast in the time-series has the same format as Appendix A, as follows:

STATION ID	CRUISE NUMBER (year-number)	CONSECUTIVE NUMBER OF CTD CAST
------------	--------------------------------	-----------------------------------

POSITION (latitude and longitude: 00⁰00.0')

DATE OF CAST (Year/month/day)	START TIME OF CAST (hour:minute:second) (Pacific Standard Time)
----------------------------------	---

STATION J 13 CRUISE 76-20 CONS # 37
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 4:17:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.05	30.62	24.00	1473.
10	7.05	30.63	24.00	1474.
20	7.04	30.65	24.01	1474.
30	7.05	30.64	24.01	1474.
50	7.04	30.66	24.03	1474.
75	7.02	30.79	24.13	1475.
100	7.04	30.85	24.17	1475.
125	7.03	30.92	24.23	1476.
150	7.02	30.97	24.27	1476.
175	7.01	31.00	24.30	1477.
200	7.01	31.01	24.30	1477.
225	7.01	31.03	24.33	1478.
250	7.00	31.07	24.36	1478.
275	6.98	31.11	24.39	1478.
300	6.98	31.14	24.41	1479.
325	6.98	31.16	24.43	1479.
350	6.98	31.17	24.44	1480.
375	6.98	31.19	24.45	1480.
400	6.98	31.19	24.45	1480.
425	6.98	31.20	24.45	1481.
450	6.98	31.20	24.45	1481.

STATION J 13 CRUISE 76-20 CONS # 40
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 6: 2:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.07	30.60	23.97	1474.
10	7.07	30.59	23.97	1474.
20	7.07	30.61	23.98	1474.
30	7.06	30.64	24.01	1474.
50	7.02	30.75	24.10	1474.
75	7.01	30.82	24.15	1475.
100	7.03	30.91	24.23	1475.
125	7.02	30.96	24.26	1476.
150	7.02	30.98	24.28	1476.
175	7.01	31.03	24.32	1477.
200	7.01	31.05	24.34	1477.
225	7.00	31.09	24.36	1478.
250	7.01	31.08	24.36	1478.
275	7.00	31.09	24.37	1478.
300	7.01	31.09	24.37	1479.
325	7.00	31.11	24.38	1479.
350	6.99	31.19	24.45	1480.
375	6.99	31.19	24.45	1480.
400	6.99	31.20	24.46	1481.
425	6.98	31.21	24.47	1481.
450	6.99	31.22	24.47	1481.

STATION J 13 CRUISE 76-20 CONS # 41
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 6:59: 4 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.09	30.55	23.94	1474.
10	7.09	30.56	23.94	1474.
20	7.09	30.57	23.95	1474.
30	7.08	30.59	23.97	1474.
50	7.06	30.65	24.02	1474.
75	7.02	30.76	24.11	1475.
100	7.03	30.89	24.21	1475.
125	7.02	30.94	24.25	1476.
150	7.02	30.99	24.29	1476.
175	7.01	31.03	24.32	1477.
200	7.01	31.05	24.33	1477.
225	7.00	31.08	24.36	1478.
250	7.00	31.08	24.36	1478.
275	7.00	31.09	24.37	1478.
300	7.00	31.12	24.39	1479.
325	7.00	31.12	24.40	1479.
350	6.99	31.16	24.43	1480.
375	6.99	31.17	24.43	1480.
400	6.99	31.18	24.44	1480.
425	6.99	31.19	24.45	1481.
450	6.98	31.18	24.44	1481.

STATION J 13 CRUISE 76-20 CONS # 42
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 8: 1:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.10	30.56	23.94	1474.
10	7.10	30.57	23.95	1474.
20	7.10	30.57	23.95	1474.
30	7.09	30.58	23.96	1474.
50	7.07	30.63	24.00	1474.
75	7.03	30.73	24.09	1475.
100	7.01	30.82	24.15	1475.
125	7.03	30.90	24.22	1476.
150	7.02	30.92	24.23	1476.
175	7.01	31.00	24.29	1477.
200	7.01	31.04	24.33	1477.
225	7.01	31.04	24.33	1478.
250	7.01	31.06	24.35	1478.
275	7.00	31.10	24.38	1478.
300	6.99	31.12	24.39	1479.
325	6.98	31.16	24.43	1479.
350	6.98	31.16	24.42	1480.
375	6.99	31.15	24.42	1480.
400	6.99	31.15	24.42	1480.
425	6.99	31.16	24.43	1481.
450	6.99	31.17	24.44	1481.

STATION J 13 CRUISE 76-20 CONS # 44
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 9: 2:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.11	30.55	23.93	1474.
10	7.11	30.56	23.94	1474.
20	7.10	30.58	23.96	1474.
30	7.09	30.60	23.97	1474.
50	7.04	30.70	24.06	1474.
75	7.02	30.78	24.12	1475.
100	7.04	30.83	24.16	1475.
125	7.03	30.88	24.20	1476.
150	7.03	30.89	24.21	1476.
175	7.02	30.94	24.25	1477.
200	7.01	31.02	24.31	1477.
225	7.00	31.04	24.33	1478.
250	7.00	31.08	24.36	1478.
275	6.99	31.11	24.39	1478.
300	6.98	31.14	24.41	1479.
325	6.98	31.14	24.41	1479.
350	6.98	31.14	24.41	1480.
375	6.98	31.14	24.41	1480.
400	6.99	31.15	24.41	1480.
425	6.99	31.14	24.41	1481.
450	6.99	31.16	24.42	1481.

STATION J 13 CRUISE 76-20 CONS # 45
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 10:10:10 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.11	30.55	23.93	1474.
10	7.10	30.56	23.94	1474.
20	7.09	30.58	23.96	1474.
30	7.09	30.58	23.96	1474.
50	7.08	30.62	23.99	1474.
75	7.05	30.72	24.07	1475.
100	7.06	30.79	24.13	1475.
125	7.04	30.89	24.21	1476.
150	7.02	30.98	24.28	1476.
175	7.02	30.98	24.28	1477.
200	7.02	30.98	24.28	1477.
225	7.02	30.99	24.29	1478.
250	7.01	31.01	24.30	1478.
275	7.01	31.00	24.30	1478.
300	7.01	31.03	24.32	1479.
325	7.01	31.02	24.32	1479.
350	7.00	31.07	24.35	1480.
375	7.00	31.08	24.36	1480.
400	7.00	31.09	24.37	1480.
425	7.00	31.11	24.38	1481.
450	7.00	31.12	24.39	1481.

STATION J 13 CRUISE 76-20 CONS # 46
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 10:59:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.11	30.56	23.94	1474.
10	7.11	30.56	23.94	1474.
20	7.11	30.56	23.94	1474.
30	7.10	30.58	23.95	1474.
50	7.07	30.64	24.00	1474.
75	7.05	30.73	24.08	1475.
100	7.05	30.84	24.16	1475.
125	7.04	30.90	24.22	1476.
150	7.03	30.92	24.23	1476.
175	7.03	30.95	24.26	1477.
200	7.03	30.96	24.27	1477.
225	7.03	30.96	24.26	1478.
250	7.03	30.97	24.27	1478.
275	7.02	31.04	24.32	1478.
300	7.02	31.05	24.34	1479.
325	7.01	31.08	24.36	1479.
350	7.00	31.13	24.40	1480.
375	7.00	31.12	24.40	1480.
400	7.00	31.13	24.40	1480.
425	7.00	31.14	24.41	1481.
450	7.00	31.16	24.42	1481.

STATION J 13 CRUISE 76-20 CONS # 47
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 12: 1: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.13	30.55	23.93	1474.
10	7.12	30.55	23.93	1474.
20	7.10	30.56	23.94	1474.
30	7.09	30.59	23.96	1474.
50	7.06	30.74	24.09	1474.
75	7.04	30.83	24.16	1475.
100	7.04	30.86	24.18	1475.
125	7.05	30.88	24.20	1476.
150	7.04	30.93	24.24	1476.
175	7.03	30.96	24.26	1477.
200	7.02	30.99	24.28	1477.
225	7.02	30.99	24.28	1478.
250	7.02	31.04	24.33	1478.
275	7.01	31.06	24.34	1478.
300	7.01	31.06	24.34	1479.
325	7.01	31.08	24.36	1479.
350	7.01	31.08	24.36	1480.
375	7.00	31.10	24.37	1480.
400	7.00	31.10	24.38	1480.
425	7.00	31.13	24.40	1481.
450	6.99	31.16	24.43	1481.

STATION J 13 CRUISE 76-20 CONS # 49
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 13: 4:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.13	30.57	23.94	1474.
10	7.12	30.56	23.94	1474.
20	7.11	30.56	23.94	1474.
30	7.09	30.59	23.96	1474.
50	7.05	30.69	24.05	1474.
75	7.04	30.81	24.15	1475.
100	7.04	30.86	24.18	1475.
125	7.04	30.91	24.23	1476.
150	7.05	30.89	24.21	1476.
175	7.03	30.97	24.27	1477.
200	7.02	31.00	24.29	1477.
225	7.02	31.01	24.30	1478.
250	7.01	31.03	24.32	1478.
275	7.01	31.06	24.34	1478.
300	7.01	31.06	24.34	1479.
325	7.01	31.07	24.35	1479.
350	7.01	31.08	24.36	1480.
375	7.01	31.08	24.36	1480.
400	7.00	31.10	24.38	1480.
425	7.00	31.13	24.40	1481.
450	7.00	31.14	24.41	1481.

STATION J 13 CRUISE 76-20 CONS # 50
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 13:59:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.10	30.58	23.96	1474.
10	7.09	30.59	23.97	1474.
20	7.08	30.61	23.98	1474.
30	7.07	30.64	24.01	1474.
50	7.04	30.77	24.11	1474.
75	7.05	30.87	24.19	1475.
100	7.04	30.88	24.20	1475.
125	7.04	30.89	24.21	1476.
150	7.04	30.89	24.21	1476.
175	7.04	30.91	24.22	1477.
200	7.04	30.93	24.24	1477.
225	7.03	30.98	24.28	1478.
250	7.02	31.01	24.31	1478.
275	7.02	31.04	24.33	1478.
300	7.01	31.08	24.36	1479.
325	7.00	31.10	24.38	1479.
350	7.00	31.12	24.39	1480.
375	7.00	31.12	24.39	1480.
400	7.00	31.13	24.40	1480.
425	7.00	31.14	24.41	1481.
450	7.00	31.15	24.41	1481.

STATION J 13 CRUISE 76-20 CONS # 51
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 15: 2:51 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.15	30.52	23.90	1474.
10	7.15	30.53	23.91	1474.
20	7.14	30.54	23.92	1474.
30	7.11	30.58	23.95	1474.
50	7.04	30.72	24.07	1474.
75	7.04	30.79	24.13	1475.
100	7.04	30.80	24.14	1475.
125	7.04	30.86	24.18	1476.
150	7.04	30.88	24.20	1476.
175	7.04	30.90	24.21	1477.
200	7.03	30.95	24.26	1477.
225	7.03	30.99	24.29	1478.
250	7.02	31.01	24.30	1478.
275	7.01	31.05	24.34	1478.
300	7.01	31.08	24.36	1479.
325	7.00	31.09	24.37	1479.
350	7.00	31.11	24.38	1480.
375	7.00	31.12	24.39	1480.
400	7.00	31.13	24.40	1480.
425	7.00	31.13	24.40	1481.
450	7.00	31.13	24.40	1481.

STATION J 13 CRUISE 76-20 CONS # 52
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 16: 0:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.13	30.54	23.92	1474.
10	7.12	30.56	23.94	1474.
20	7.11	30.57	23.95	1474.
30	7.11	30.58	23.96	1474.
50	7.06	30.67	24.03	1474.
75	7.04	30.80	24.14	1475.
100	7.04	30.88	24.20	1475.
125	7.04	30.89	24.21	1476.
150	7.04	30.92	24.23	1476.
175	7.03	30.94	24.25	1477.
200	7.03	30.97	24.27	1477.
225	7.02	30.99	24.29	1478.
250	7.02	31.03	24.32	1478.
275	7.01	31.07	24.35	1478.
300	7.01	31.08	24.36	1479.
325	7.00	31.10	24.37	1479.
350	7.00	31.10	24.38	1480.
375	7.00	31.11	24.38	1480.
400	7.00	31.12	24.39	1480.
425	7.00	31.14	24.41	1481.
450	7.00	31.15	24.41	1481.

STATION J 13 CRUISE 76-20 CONS # 54
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 17: 2:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.11	30.55	23.94	1474.
10	7.11	30.57	23.95	1474.
20	7.11	30.58	23.96	1474.
30	7.11	30.58	23.95	1474.
50	7.09	30.64	24.01	1475.
75	7.03	30.79	24.13	1475.
100	7.04	30.89	24.21	1475.
125	7.04	30.93	24.24	1476.
150	7.03	30.98	24.28	1476.
175	7.03	30.98	24.28	1477.
200	7.03	31.00	24.29	1477.
225	7.02	31.03	24.32	1478.
250	7.02	31.04	24.33	1478.
275	7.01	31.07	24.35	1478.
300	7.01	31.07	24.35	1479.
325	7.01	31.09	24.37	1479.
350	7.00	31.11	24.38	1480.
375	7.00	31.12	24.39	1480.
400	7.00	31.12	24.39	1480.
425	7.00	31.15	24.41	1481.
450	7.00	31.15	24.42	1481.

STATION J 13 CRUISE 76-20 CONS # 55
 POSITION 50-33.3N 126-47.1W
 DATE 76/ 4/23 TIME 18: 0:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.10	30.56	23.94	1474.
10	7.10	30.57	23.95	1474.
20	7.10	30.58	23.95	1474.
30	7.10	30.59	23.96	1474.
50	7.09	30.62	23.99	1474.
75	7.04	30.73	24.08	1475.
100	7.04	30.89	24.21	1475.
125	7.04	30.90	24.22	1476.
150	7.04	30.93	24.24	1476.
175	7.03	30.95	24.26	1477.
200	7.03	30.99	24.28	1477.
225	7.02	31.03	24.32	1478.
250	7.01	31.05	24.34	1478.
275	7.01	31.07	24.35	1478.
300	7.00	31.11	24.39	1479.
325	7.00	31.13	24.40	1479.
350	7.00	31.13	24.40	1480.
375	7.00	31.14	24.41	1480.
400	7.00	31.14	24.41	1480.
425	7.00	31.14	24.41	1481.
450	7.00	31.15	24.42	1481.

STATION J 13 CRUISE 76-20 CONS # 56
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 19: 0:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.10	30.61	23.98	1474.
10	7.09	30.63	23.99	1474.
20	7.09	30.62	23.99	1474.
30	7.09	30.60	23.97	1474.
50	7.06	30.69	24.05	1474.
75	7.04	30.87	24.19	1475.
100	7.04	30.89	24.20	1475.
125	7.04	30.91	24.22	1476.
150	7.04	30.94	24.25	1476.
175	7.03	30.99	24.29	1477.
200	7.02	31.03	24.32	1477.
225	7.02	31.05	24.33	1478.
250	7.01	31.06	24.34	1478.
275	7.01	31.08	24.36	1478.
300	7.01	31.10	24.37	1479.
325	7.00	31.12	24.39	1479.
350	7.00	31.11	24.38	1480.
375	7.00	31.12	24.40	1480.
400	7.00	31.13	24.40	1480.
425	7.00	31.13	24.40	1481.
450	7.00	31.15	24.41	1481.

STATION J 13 CRUISE 76-20 CONS # 57
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 19:59: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.09	30.53	23.92	1474.
10	7.10	30.55	23.93	1474.
20	7.09	30.57	23.95	1474.
30	7.08	30.62	23.99	1474.
50	7.07	30.68	24.03	1474.
75	7.04	30.82	24.15	1475.
100	7.04	30.86	24.19	1475.
125	7.05	30.89	24.21	1476.
150	7.03	30.92	24.23	1476.
175	7.03	30.95	24.25	1477.
200	7.03	30.98	24.28	1477.
225	7.02	31.03	24.32	1478.
250	7.01	31.06	24.34	1478.
275	7.01	31.07	24.36	1478.
300	7.01	31.09	24.37	1479.
325	7.00	31.12	24.39	1479.
350	7.00	31.13	24.40	1480.
375	7.00	31.14	24.41	1480.
400	7.00	31.15	24.42	1480.
425	7.00	31.15	24.41	1481.
450	7.00	31.15	24.42	1481.

STATION J 13 CRUISE 76-20 CONS # 59
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 21: 1:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.11	30.49	23.89	1474.
10	7.11	30.54	23.92	1474.
20	7.10	30.56	23.94	1474.
30	7.09	30.59	23.97	1474.
50	7.08	30.65	24.02	1474.
75	7.05	30.74	24.09	1475.
100	7.05	30.86	24.18	1475.
125	7.04	30.89	24.21	1476.
150	7.04	30.91	24.22	1476.
175	7.04	30.93	24.24	1477.
200	7.04	30.95	24.25	1477.
225	7.03	30.99	24.29	1478.
250	7.02	31.05	24.34	1478.
275	7.01	31.05	24.33	1478.
300	7.01	31.06	24.35	1479.
325	7.00	31.11	24.38	1479.
350	7.00	31.11	24.39	1480.
375	7.00	31.12	24.39	1480.
400	7.00	31.12	24.39	1480.
425	7.00	31.13	24.40	1481.
450	7.00	31.14	24.41	1481.

STATION J 13 CRUISE 76-20 CONS # 60
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 21:57:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.11	30.48	23.88	1474.
10	7.10	30.54	23.92	1474.
20	7.10	30.57	23.95	1474.
30	7.09	30.58	23.96	1474.
50	7.08	30.66	24.03	1474.
75	7.08	30.70	24.05	1475.
100	7.06	30.80	24.13	1475.
125	7.05	30.84	24.17	1476.
150	7.04	30.92	24.23	1476.
175	7.05	30.87	24.19	1477.
200	7.05	30.90	24.21	1477.
225	7.04	30.91	24.23	1478.
250	7.04	30.94	24.24	1478.
275	7.04	30.93	24.24	1478.
300	7.04	30.93	24.24	1479.
325	7.03	30.98	24.28	1479.
350	7.02	31.04	24.33	1480.
375	7.01	31.09	24.36	1480.
400	7.00	31.18	24.44	1481.
425	7.00	31.19	24.45	1481.
450	7.00	31.20	24.45	1481.

STATION J 13 CRUISE 76-20 CONS # 61
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 23: 0: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.14	30.49	23.88	1474.
10	7.12	30.56	23.94	1474.
20	7.09	30.62	23.99	1474.
30	7.08	30.66	24.02	1474.
50	7.08	30.69	24.05	1475.
75	7.05	30.87	24.19	1475.
100	7.05	30.89	24.20	1475.
125	7.04	30.92	24.23	1476.
150	7.03	30.97	24.27	1476.
175	7.03	31.00	24.29	1477.
200	7.02	31.03	24.32	1477.
225	7.02	31.06	24.35	1478.
250	7.02	31.07	24.35	1478.
275	7.01	31.09	24.37	1478.
300	7.01	31.11	24.39	1479.
325	7.01	31.13	24.40	1479.
350	7.01	31.13	24.40	1480.
375	7.01	31.12	24.39	1480.
400	7.01	31.13	24.40	1481.
425	7.01	31.09	24.37	1481.
450	7.01	31.12	24.39	1481.

STATION J 13 CRUISE 76-20 CONS # 62
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/23 TIME 23:57:13 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	7.08	30.51	23.91	1474.
10	7.11	30.57	23.94	1474.
20	7.11	30.58	23.95	1474.
30	7.11	30.58	23.96	1474.
50	7.08	30.69	24.04	1475.
75	7.06	30.78	24.11	1475.
100	7.06	30.78	24.12	1475.
125	7.05	30.83	24.16	1476.
150	7.05	30.87	24.19	1476.
175	7.03	31.01	24.30	1477.
200	7.03	31.02	24.31	1477.
225	7.03	31.02	24.31	1478.
250	7.02	31.05	24.34	1478.
275	7.02	31.06	24.34	1478.
300	7.02	31.08	24.36	1479.
325	7.02	31.08	24.36	1479.
350	7.01	31.08	24.36	1480.
375	7.02	31.08	24.36	1480.
400	7.02	31.08	24.36	1480.
425	7.01	31.09	24.37	1481.
450	7.01	31.13	24.40	1481.

STATION J 13 CRUISE 76-20 CONS # 64
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/24 TIME 1: 2:57 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.05	30.58	23.96	1473.
10	7.07	30.61	23.99	1474.
20	7.08	30.63	24.00	1474.
30	7.07	30.70	24.05	1474.
50	7.07	30.71	24.06	1475.
75	7.07	30.75	24.09	1475.
100	7.06	30.79	24.12	1475.
125	7.05	30.83	24.16	1476.
150	7.04	30.94	24.24	1476.
175	7.03	31.00	24.29	1477.
200	7.02	31.05	24.34	1477.
225	7.01	31.08	24.36	1478.
250	7.01	31.08	24.36	1478.
275	7.01	31.12	24.39	1478.
300	7.01	31.12	24.39	1479.
325	7.01	31.15	24.41	1479.
350	7.01	31.14	24.40	1480.
375	7.01	31.14	24.40	1480.
400	7.00	31.19	24.45	1481.
425	7.00	31.21	24.47	1481.
450	6.99	31.25	24.50	1481.

STATION J 13 CRUISE 76-20 CONS # 65
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/24 TIME 2: 2:30 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.11	30.37	23.79	1473.
10	7.05	30.56	23.95	1474.
20	7.04	30.56	23.95	1474.
30	7.03	30.58	23.96	1474.
50	7.07	30.68	24.04	1474.
75	7.07	30.72	24.07	1475.
100	7.05	30.82	24.15	1475.
125	7.05	30.88	24.20	1476.
150	7.04	30.93	24.24	1476.
175	7.03	30.99	24.29	1477.
200	7.02	31.02	24.31	1477.
225	7.02	31.04	24.33	1478.
250	7.02	31.05	24.34	1478.
275	7.01	31.10	24.38	1478.
300	7.00	31.15	24.41	1479.
325	7.00	31.17	24.43	1479.
350	7.00	31.18	24.44	1480.
375	6.99	31.22	24.48	1480.
400	6.99	31.23	24.48	1481.
425	6.99	31.22	24.48	1481.
450	6.99	31.25	24.49	1481.

STATION J 13 CRUISE 76-20 CONS # 66
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/24 TIME 3: 4:35 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.10	30.51	23.90	1474.
10	7.07	30.61	23.98	1474.
20	7.08	30.63	24.00	1474.
30	7.08	30.66	24.02	1474.
50	7.07	30.72	24.07	1475.
75	7.06	30.77	24.11	1475.
100	7.05	30.84	24.16	1475.
125	7.05	30.88	24.20	1476.
150	7.04	30.93	24.24	1476.
175	7.03	30.99	24.29	1477.
200	7.02	31.04	24.33	1477.
225	7.02	31.06	24.35	1478.
250	7.01	31.09	24.37	1478.
275	7.01	31.10	24.37	1478.
300	7.01	31.10	24.37	1479.
325	7.01	31.13	24.40	1479.
350	7.00	31.16	24.43	1480.
375	7.00	31.17	24.44	1480.
400	6.99	31.21	24.47	1481.
425	6.99	31.22	24.47	1481.
450	6.98	31.27	24.51	1481.

STATION J 13 CRUISE 76-20 CONS # 67
 POSITION 50-33.3N 126-47.0W
 DATE 76/ 4/24 TIME 3:54: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.09	30.52	23.91	1474.
10	7.09	30.57	23.95	1474.
20	7.08	30.59	23.96	1474.
30	7.07	30.62	23.99	1474.
50	7.06	30.70	24.05	1474.
75	7.06	30.73	24.08	1475.
100	7.06	30.80	24.13	1475.
125	7.05	30.89	24.21	1476.
150	7.03	30.97	24.27	1476.
175	7.02	31.03	24.32	1477.
200	7.02	31.06	24.35	1477.
225	7.01	31.09	24.37	1478.
250	7.00	31.11	24.39	1478.
275	7.00	31.12	24.39	1478.
300	6.99	31.15	24.41	1479.
325	6.99	31.15	24.42	1479.
350	6.99	31.16	24.42	1480.
375	6.99	31.17	24.43	1480.
400	6.99	31.20	24.46	1481.
425	6.99	31.23	24.48	1481.
450	6.98	31.26	24.51	1481.

STATION J 11 CRUISE 76-20 CONS # 72
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 7:14:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.11	30.44	23.84	1474.
10	7.12	30.48	23.87	1474.
20	7.07	30.50	23.90	1474.
30	7.07	30.55	23.94	1474.
50	7.05	30.65	24.02	1474.
75	6.99	30.77	24.12	1475.
100	6.97	30.84	24.18	1475.
125	6.97	30.86	24.19	1476.
150	6.97	30.91	24.23	1476.
175	6.98	30.95	24.26	1477.
200	6.99	30.98	24.28	1477.
225	7.00	31.03	24.32	1478.
250	7.00	31.05	24.34	1478.
275	6.98	31.06	24.35	1478.
300	6.99	31.08	24.37	1479.
325	6.98	31.11	24.39	1479.
350	6.98	31.14	24.41	1480.
375	6.97	31.15	24.42	1480.

STATION J 11 CRUISE 76-20 CONS # 73
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 8: 0:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.14	30.45	23.85	1474.
10	7.13	30.49	23.88	1474.
20	7.11	30.51	23.90	1474.
30	7.09	30.57	23.95	1474.
50	7.05	30.67	24.03	1474.
75	6.98	30.80	24.14	1475.
100	6.97	30.83	24.17	1475.
125	6.97	30.89	24.22	1476.
150	6.98	30.93	24.25	1476.
175	6.99	30.97	24.28	1477.
200	6.99	30.97	24.28	1477.
225	6.99	31.00	24.30	1477.
250	7.00	31.02	24.32	1478.
275	6.99	31.04	24.33	1478.
300	6.98	31.06	24.35	1479.
325	6.99	31.09	24.37	1479.
350	6.98	31.13	24.40	1480.
375	6.97	31.15	24.42	1480.

STATION J 11 CRUISE 76-20 CONS # 75
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 9: 4:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.14	30.42	23.83	1474.
10	7.14	30.45	23.85	1474.
20	7.15	30.49	23.88	1474.
30	7.11	30.56	23.94	1474.
50	7.07	30.62	23.99	1474.
75	7.00	30.76	24.11	1475.
100	6.97	30.89	24.21	1475.
125	6.98	30.92	24.24	1476.
150	6.99	30.96	24.27	1476.
175	6.99	30.99	24.29	1477.
200	6.99	31.01	24.31	1477.
225	7.00	31.03	24.32	1477.
250	6.99	31.05	24.34	1478.
275	6.98	31.06	24.35	1478.
300	6.99	31.09	24.37	1479.
325	6.98	31.10	24.38	1479.
350	6.98	31.14	24.41	1480.
375	6.97	31.15	24.42	1480.

STATION J 11 CRUISE 76-20 CONS # 76
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 9:59:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.11	30.33	23.76	1473.
10	7.14	30.48	23.87	1474.
20	7.11	30.54	23.93	1474.
30	7.09	30.58	23.96	1474.
50	7.04	30.68	24.04	1474.
75	7.01	30.73	24.09	1475.
100	6.98	30.84	24.18	1475.
125	6.98	30.89	24.21	1476.
150	6.99	30.97	24.27	1476.
175	7.00	31.00	24.30	1477.
200	6.99	31.03	24.32	1477.
225	6.98	31.05	24.34	1477.
250	6.99	31.05	24.34	1478.
275	6.99	31.08	24.36	1478.
300	6.99	31.09	24.37	1479.
325	6.98	31.11	24.39	1479.
350	6.98	31.12	24.40	1480.
375	6.97	31.13	24.41	1480.

STATION J 11 CRUISE 76-20 CONS # 77
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 10:59:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.10	30.32	23.75	1473.
10	7.15	30.49	23.88	1474.
20	7.10	30.56	23.94	1474.
30	7.07	30.60	23.98	1474.
50	7.05	30.65	24.01	1474.
75	7.01	30.72	24.08	1475.
100	6.99	30.85	24.18	1475.
125	6.98	30.92	24.24	1476.
150	7.00	30.95	24.26	1476.
175	6.99	30.96	24.27	1477.
200	7.00	30.99	24.29	1477.
225	6.99	31.01	24.31	1477.
250	7.00	31.05	24.34	1478.
275	6.99	31.08	24.37	1478.
300	6.99	31.11	24.39	1479.
325	6.98	31.11	24.39	1479.
350	6.98	31.12	24.40	1480.
375	6.97	31.15	24.42	1480.

STATION J 11 CRUISE 76-20 CONS # 78
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 12: 1:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.17	30.35	23.76	1474.
10	7.15	30.48	23.87	1474.
20	7.12	30.52	23.91	1474.
30	7.09	30.55	23.94	1474.
50	7.06	30.62	24.00	1474.
75	7.00	30.74	24.09	1475.
100	6.99	30.80	24.14	1475.
125	6.99	30.90	24.22	1476.
150	6.99	30.93	24.25	1476.
175	6.99	30.98	24.29	1477.
200	6.99	31.03	24.32	1477.
225	6.99	31.05	24.34	1477.
250	6.99	31.08	24.36	1478.
275	6.99	31.10	24.38	1478.
300	6.99	31.11	24.38	1479.
325	6.98	31.12	24.39	1479.
350	6.98	31.14	24.41	1480.
375	6.97	31.17	24.44	1480.

STATION J 11 CRUISE 76-20 CONS # 80
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 12:59:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.47	30.34	23.72	1475.
10	7.15	30.48	23.87	1474.
20	7.14	30.49	23.88	1474.
30	7.11	30.54	23.92	1474.
50	7.06	30.62	24.00	1474.
75	6.99	30.78	24.13	1475.
100	6.98	30.86	24.19	1475.
125	6.99	30.97	24.28	1476.
150	6.99	30.99	24.30	1476.
175	6.99	31.03	24.33	1477.
200	6.99	31.04	24.33	1477.
225	6.99	31.05	24.34	1477.
250	6.99	31.08	24.36	1478.
275	6.99	31.09	24.37	1478.
300	6.98	31.11	24.38	1479.
325	6.98	31.11	24.39	1479.
350	6.98	31.14	24.41	1480.
375	6.98	31.16	24.43	1480.

STATION J 11 CRUISE 76-20 CONS # 81
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 14: 1:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.44	30.39	23.76	1475.
10	7.16	30.49	23.87	1474.
20	7.09	30.57	23.95	1474.
30	7.10	30.58	23.96	1474.
50	7.05	30.65	24.02	1474.
75	7.00	30.80	24.14	1475.
100	6.98	30.85	24.19	1475.
125	6.99	30.94	24.25	1476.
150	6.99	30.97	24.28	1476.
175	6.99	31.03	24.33	1477.
200	6.99	31.05	24.34	1477.
225	6.99	31.05	24.34	1478.
250	6.99	31.07	24.35	1478.
275	6.99	31.09	24.37	1478.
300	6.99	31.09	24.37	1479.
325	6.98	31.11	24.39	1479.
350	6.98	31.13	24.40	1480.
375	6.98	31.16	24.43	1480.

STATION J 11 CRUISE 76-20 CONS # 82
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 15: 0:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.51	30.38	23.75	1475.
10	7.14	30.48	23.87	1474.
20	7.08	30.59	23.97	1474.
30	7.08	30.60	23.97	1474.
50	7.08	30.61	23.98	1474.
75	7.00	30.82	24.16	1475.
100	6.99	30.94	24.25	1475.
125	6.99	30.96	24.27	1476.
150	6.99	30.97	24.28	1476.
175	6.99	31.00	24.30	1477.
200	6.99	31.04	24.33	1477.
225	6.99	31.06	24.34	1478.
250	6.99	31.07	24.36	1478.
275	6.99	31.10	24.38	1478.
300	6.98	31.12	24.40	1479.
325	6.98	31.15	24.42	1479.
350	6.98	31.17	24.43	1480.
375	6.98	31.17	24.43	1480.

STATION J 11 CRUISE 76-20 CONS # 83
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 15:58:49 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.28	30.48	23.85	1474.
10	7.14	30.50	23.89	1474.
20	7.11	30.54	23.93	1474.
30	7.09	30.58	23.95	1474.
50	7.07	30.63	24.00	1474.
75	6.98	30.81	24.16	1475.
100	6.99	30.91	24.23	1475.
125	6.99	30.97	24.28	1476.
150	6.99	30.99	24.29	1476.
175	6.99	31.03	24.33	1477.
200	6.99	31.05	24.34	1477.
225	6.99	31.05	24.34	1478.
250	6.99	31.08	24.36	1478.
275	6.98	31.11	24.39	1478.
300	6.98	31.12	24.39	1479.
325	6.98	31.13	24.41	1479.
350	6.97	31.15	24.42	1480.
375	6.98	31.16	24.43	1480.

STATION J 11 CRUISE 76-20 CONS # 85
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 17: 0: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.33	30.42	23.80	1474.
10	7.22	30.48	23.86	1474.
20	7.13	30.52	23.90	1474.
30	7.10	30.57	23.95	1474.
50	7.06	30.59	23.97	1474.
75	6.99	30.77	24.12	1475.
100	6.99	30.84	24.17	1475.
125	6.99	30.96	24.27	1476.
150	7.00	30.99	24.29	1476.
175	6.99	31.05	24.34	1477.
200	7.00	31.04	24.33	1477.
225	7.00	31.05	24.34	1478.
250	6.99	31.09	24.37	1478.
275	6.98	31.11	24.38	1478.
300	6.98	31.11	24.39	1479.
325	6.98	31.13	24.40	1479.
350	6.97	31.14	24.41	1480.
375	6.98	31.16	24.43	1480.

STATION J 11 CRUISE 76-20 CONS # 86
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 17:59:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.38	30.40	23.78	1475.
10	7.26	30.45	23.83	1474.
20	7.20	30.48	23.86	1474.
30	7.12	30.52	23.90	1474.
50	7.07	30.61	23.98	1474.
75	7.00	30.76	24.11	1475.
100	6.98	30.84	24.17	1475.
125	4.79	41.23	32.67	1481.
150	2.73	53.31	42.68	1490.
175	6.99	31.01	24.30	1477.
200	6.99	31.04	24.33	1477.
225	7.00	31.05	24.34	1478.
250	6.99	31.09	24.37	1478.
275	6.98	31.10	24.38	1478.
300	6.98	31.11	24.39	1479.
325	6.97	31.13	24.40	1479.
350	6.97	31.14	24.41	1480.
375	6.98	31.17	24.43	1480.

STATION J 11 CRUISE 76-20 CONS # 87
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 19: 1:29 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.27	30.44	23.83	1474.
10	7.22	30.45	23.84	1474.
20	7.16	30.47	23.87	1474.
30	7.13	30.53	23.91	1474.
50	7.07	30.62	23.99	1474.
75	6.99	30.77	24.12	1475.
100	6.98	30.83	24.17	1475.
125	6.98	30.91	24.23	1476.
150	7.00	30.96	24.27	1476.
175	6.99	31.00	24.30	1477.
200	6.99	31.03	24.32	1477.
225	7.00	31.04	24.33	1478.
250	6.99	31.09	24.37	1478.
275	6.98	31.10	24.38	1478.
300	6.98	31.12	24.39	1479.
325	6.97	31.13	24.40	1479.
350	6.97	31.15	24.42	1480.
375	6.97	31.17	24.43	1480.

STATION J 11 CRUISE 76-20 CONS # 88
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 20: 1: 1 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.28	30.40	23.79	1474.
10	7.15	30.48	23.87	1474.
20	7.13	30.50	23.89	1474.
30	7.11	30.57	23.94	1474.
50	7.04	30.68	24.04	1474.
75	6.99	30.79	24.14	1475.
100	6.99	30.84	24.18	1475.
125	6.99	30.96	24.26	1476.
150	7.00	31.00	24.30	1476.
175	7.00	31.02	24.32	1477.
200	6.99	31.03	24.32	1477.
225	6.99	31.04	24.33	1477.
250	7.00	31.05	24.33	1478.
275	6.99	31.07	24.35	1478.
300	6.99	31.09	24.37	1479.
325	6.98	31.11	24.39	1479.
350	6.98	31.13	24.40	1480.
375	6.97	31.15	24.42	1480.

STATION J 11 CRUISE 76-20 CONS # 90
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 20:58:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.23	30.35	23.76	1474.
10	7.13	30.49	23.88	1474.
20	7.10	30.56	23.94	1474.
30	7.09	30.58	23.95	1474.
50	7.03	30.69	24.05	1474.
75	6.99	30.83	24.17	1475.
100	6.99	30.95	24.26	1475.
125	7.00	30.98	24.28	1476.
150	7.00	30.99	24.29	1476.
175	6.99	31.00	24.30	1477.
200	6.99	31.04	24.33	1477.
225	6.99	31.05	24.34	1478.
250	6.99	31.09	24.37	1478.
275	6.99	31.09	24.37	1478.
300	6.98	31.10	24.38	1479.
325	6.99	31.11	24.39	1479.
350	6.98	31.13	24.40	1480.
375	6.97	31.15	24.42	1480.

STATION J 11 CRUISE 76-20 CONS # 91
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 21:58:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.21	30.34	23.75	1474.
10	7.16	30.49	23.88	1474.
20	7.14	30.49	23.88	1474.
30	7.11	30.54	23.93	1474.
50	7.08	30.61	23.98	1474.
75	7.01	30.73	24.08	1475.
100	6.98	30.84	24.18	1475.
125	6.99	30.94	24.25	1476.
150	6.99	30.98	24.28	1476.
175	6.99	31.00	24.30	1477.
200	6.99	31.05	24.34	1477.
225	6.99	31.06	24.35	1478.
250	6.99	31.08	24.36	1478.
275	7.00	31.08	24.36	1478.
300	6.99	31.11	24.38	1479.
325	6.99	31.12	24.40	1479.
350	6.98	31.14	24.41	1480.
375	6.98	31.16	24.42	1480.

STATION J 11 CRUISE 76-20 CONS # 92
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 23: 2:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.22	30.34	23.75	1474.
10	7.15	30.48	23.87	1474.
20	7.10	30.58	23.95	1474.
30	7.09	30.58	23.96	1474.
50	7.09	30.60	23.97	1474.
75	7.03	30.70	24.06	1475.
100	7.00	30.85	24.18	1475.
125	6.99	30.95	24.26	1476.
150	7.00	30.98	24.28	1476.
175	6.99	31.01	24.30	1477.
200	6.99	31.05	24.34	1477.
225	6.99	31.07	24.36	1478.
250	6.99	31.09	24.37	1478.
275	6.99	31.10	24.38	1478.
300	6.99	31.11	24.39	1479.
325	6.99	31.13	24.41	1479.
350	6.99	31.14	24.41	1480.
375	6.98	31.15	24.42	1480.

STATION J 11 CRUISE 76-20 CONS # 93
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/24 TIME 23:55:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.12	30.12	23.59	1473.
10	7.26	30.40	23.79	1474.
20	7.12	30.53	23.91	1474.
30	7.10	30.57	23.95	1474.
50	7.10	30.58	23.96	1474.
75	7.03	30.71	24.07	1475.
100	7.00	30.82	24.16	1475.
125	7.00	30.91	24.23	1476.
150	7.00	30.97	24.28	1476.
175	7.00	31.03	24.32	1477.
200	7.00	31.06	24.35	1477.
225	6.99	31.08	24.36	1478.
250	6.99	31.09	24.37	1478.
275	6.99	31.11	24.39	1478.
300	6.99	31.13	24.40	1479.
325	6.98	31.15	24.42	1479.
350	6.99	31.16	24.43	1480.
375	6.98	31.18	24.44	1480.

STATION J 11 CRUISE 76-20 CONS # 95
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/25 TIME 0: 2:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.24	30.33	23.74	1474.
10	7.19	30.44	23.84	1474.
20	7.12	30.53	23.91	1474.
30	7.10	30.56	23.94	1474.
50	7.08	30.60	23.98	1474.
75	7.01	30.75	24.10	1475.
100	7.00	30.79	24.14	1475.
125	6.99	30.89	24.21	1476.
150	7.00	30.98	24.28	1476.
175	7.00	31.04	24.33	1477.
200	6.99	31.06	24.34	1477.
225	6.99	31.09	24.37	1478.
250	6.99	31.09	24.37	1478.
275	6.99	31.11	24.39	1478.
300	6.99	31.14	24.41	1479.
325	6.99	31.16	24.42	1479.
350	6.99	31.18	24.44	1480.
375	6.98	31.19	24.45	1480.

STATION J 11 CRUISE 76-20 CONS # 96
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/25 TIME 2: 1:28 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.18	30.34	23.76	1474.
10	7.17	30.44	23.84	1474.
20	7.15	30.46	23.85	1474.
30	7.12	30.56	23.94	1474.
50	7.10	30.58	23.95	1474.
75	7.01	30.75	24.10	1475.
100	6.99	30.88	24.20	1475.
125	7.00	30.93	24.24	1476.
150	7.00	30.98	24.28	1476.
175	7.00	31.03	24.32	1477.
200	7.00	31.05	24.34	1477.
225	6.99	31.07	24.36	1478.
250	6.99	31.09	24.37	1478.
275	6.99	31.09	24.37	1478.
300	7.00	31.12	24.39	1479.
325	6.99	31.15	24.42	1479.
350	6.99	31.16	24.43	1480.
375	6.99	31.18	24.44	1480.

STATION J 11 CRUISE 76-20 CONS # 97
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/25 TIME 3: 2:55 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.21	30.36	23.77	1474.
10	7.14	30.47	23.87	1474.
20	7.13	30.49	23.88	1474.
30	7.12	30.52	23.90	1474.
50	7.07	30.63	24.00	1474.
75	7.00	30.78	24.13	1475.
100	7.00	30.82	24.16	1475.
125	7.00	30.94	24.25	1476.
150	7.00	30.98	24.28	1476.
175	7.00	31.01	24.31	1477.
200	6.99	31.06	24.35	1477.
225	6.99	31.09	24.37	1478.
250	6.99	31.10	24.37	1478.
275	7.00	31.10	24.38	1478.
300	7.00	31.11	24.39	1479.
325	6.99	31.15	24.42	1479.
350	6.99	31.15	24.42	1480.
375	6.99	31.18	24.44	1480.

STATION J 11 CRUISE 76-20 CONS # 98
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/25 TIME 4:13:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.21	30.32	23.74	1474.
10	7.18	30.47	23.86	1474.
20	7.12	30.52	23.91	1474.
30	7.11	30.53	23.92	1474.
50	7.07	30.63	24.00	1474.
75	7.01	30.74	24.10	1475.
100	6.99	30.85	24.18	1475.
125	6.99	30.92	24.23	1476.
150	6.99	30.99	24.29	1476.
175	7.00	31.02	24.31	1477.
200	6.99	31.06	24.35	1477.
225	6.99	31.09	24.37	1478.
250	6.99	31.10	24.38	1478.
275	6.99	31.12	24.39	1478.
300	6.99	31.13	24.41	1479.
325	7.00	31.16	24.42	1479.
350	6.99	31.15	24.42	1480.
375	6.99	31.17	24.43	1480.

STATION J 11 CRUISE 76-20 CONS #101
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/25 TIME 5: 6:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.24	30.35	23.76	1474.
10	7.16	30.47	23.87	1474.
20	7.13	30.49	23.89	1474.
30	7.12	30.54	23.93	1474.
50	7.08	30.61	23.98	1474.
75	7.05	30.68	24.04	1475.
100	6.99	30.84	24.18	1475.
125	6.99	30.93	24.25	1476.
150	6.99	31.00	24.30	1476.
175	6.99	31.03	24.32	1477.
200	6.99	31.05	24.34	1477.
225	6.99	31.07	24.35	1478.
250	6.99	31.09	24.37	1478.
275	6.99	31.11	24.38	1478.
300	6.99	31.12	24.39	1479.
325	6.98	31.14	24.41	1479.
350	6.98	31.15	24.42	1480.
375	6.98	31.18	24.44	1480.

STATION J 11 CRUISE 76-20 CONS #102
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/25 TIME 6: 1:30 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.22	30.37	23.78	1474.
10	7.18	30.48	23.87	1474.
20	7.12	30.51	23.90	1474.
30	7.10	30.57	23.95	1474.
50	7.08	30.61	23.98	1474.
75	7.04	30.70	24.05	1475.
100	7.00	30.77	24.12	1475.
125	6.99	30.89	24.21	1476.
150	6.99	30.96	24.27	1476.
175	6.99	31.02	24.32	1477.
200	6.99	31.06	24.35	1477.
225	6.99	31.07	24.35	1478.
250	6.99	31.09	24.37	1478.
275	6.99	31.11	24.38	1478.
300	6.99	31.13	24.40	1479.
325	6.98	31.15	24.42	1479.
350	6.98	31.17	24.44	1480.
375	6.99	31.19	24.45	1480.

STATION J 11 CRUISE 76-20 CONS #103
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/25 TIME 7: 0: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.12	30.40	23.81	1473.
10	7.19	30.44	23.83	1474.
20	7.14	30.51	23.90	1474.
30	7.10	30.57	23.95	1474.
50	7.06	30.66	24.03	1474.
75	7.00	30.78	24.13	1475.
100	6.98	30.85	24.18	1475.
125	6.98	30.90	24.22	1476.
150	6.99	30.98	24.29	1476.
175	6.99	31.00	24.30	1477.
200	6.99	31.02	24.32	1477.
225	6.99	31.06	24.35	1478.
250	6.99	31.07	24.36	1478.
275	6.99	31.09	24.37	1478.
300	6.99	31.12	24.39	1479.
325	6.98	31.14	24.41	1479.
350	6.98	31.15	24.42	1480.
375	6.98	31.18	24.44	1480.

STATION J 11 CRUISE 76-20 CONS #104
 POSITION 50-30.0N 126-30.0W
 DATE 76/ 4/25 TIME 8: 3:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.05	30.36	23.79	1473.
10	7.12	30.41	23.82	1474.
20	7.18	30.50	23.88	1474.
30	7.10	30.57	23.95	1474.
50	7.07	30.62	23.99	1474.
75	7.01	30.75	24.10	1475.
100	6.98	30.87	24.20	1475.
125	6.98	30.90	24.22	1476.
150	6.99	30.95	24.26	1476.
175	6.99	30.99	24.29	1477.
200	6.99	31.02	24.31	1477.
225	6.99	31.05	24.34	1477.
250	6.99	31.07	24.35	1478.
275	6.99	31.09	24.37	1478.
300	6.98	31.13	24.41	1479.
325	6.98	31.15	24.42	1479.
350	6.98	31.17	24.43	1480.
375	6.99	31.17	24.44	1480.

STATION J 9 CRUISE 76-20 CONS #112
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 15: 0:10 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.45	30.41	23.78	1475.
10	7.31	30.39	23.78	1474.
20	7.14	30.49	23.88	1474.
30	7.15	30.50	23.89	1474.
50	7.11	30.59	23.96	1475.
75	7.05	30.72	24.07	1475.
100	7.00	30.81	24.15	1475.
125	6.97	30.89	24.22	1476.
150	6.96	30.94	24.25	1476.
175	6.97	31.01	24.31	1477.
200	6.96	31.03	24.32	1477.
225	6.97	31.06	24.35	1477.
250	6.97	31.07	24.36	1478.
275	6.97	31.08	24.36	1478.
300	6.97	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #113
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 16: 1:13 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.52	30.45	23.80	1475.
10	7.14	30.51	23.90	1474.
20	7.11	30.58	23.95	1474.
30	7.11	30.61	23.98	1474.
50	7.09	30.63	24.00	1475.
75	7.01	30.79	24.13	1475.
100	6.99	30.86	24.19	1475.
125	6.98	30.89	24.21	1476.
150	6.96	30.99	24.29	1476.
175	6.96	30.99	24.30	1476.
200	6.97	31.02	24.32	1477.
225	6.98	31.05	24.34	1477.
250	6.98	31.07	24.36	1478.
275	6.97	31.08	24.36	1478.
300	6.97	31.10	24.38	1479.
325	6.97	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #115
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 17: 1:35 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.36	30.49	23.85	1475.
10	7.26	30.51	23.88	1474.
20	7.11	30.57	23.95	1474.
30	7.10	30.64	24.00	1474.
50	7.04	30.74	24.09	1474.
75	7.03	30.76	24.11	1475.
100	7.00	30.84	24.17	1475.
125	6.97	30.93	24.25	1476.
150	6.97	31.00	24.30	1476.
175	6.97	31.01	24.31	1477.
200	6.97	31.02	24.32	1477.
225	6.97	31.06	24.35	1477.
250	6.97	31.06	24.35	1478.
275	6.97	31.07	24.36	1478.
300	6.97	31.09	24.37	1479.
325	6.97	31.09	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #116
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 18: 0:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.31	30.49	23.86	1474.
10	7.09	30.63	24.00	1474.
20	7.09	30.63	24.00	1474.
30	7.08	30.66	24.02	1474.
50	7.02	30.78	24.12	1474.
75	7.00	30.82	24.16	1475.
100	6.97	30.92	24.24	1475.
125	6.97	30.99	24.30	1476.
150	6.97	31.02	24.32	1476.
175	6.97	31.03	24.33	1477.
200	6.96	31.05	24.34	1477.
225	6.95	31.06	24.35	1477.
250	6.96	31.08	24.37	1478.
275	6.96	31.10	24.38	1478.
300	6.96	31.10	24.38	1479.
325	6.97	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #117
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 18:59: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.36	30.50	23.86	1475.
10	7.36	30.49	23.85	1475.
20	7.13	30.58	23.95	1474.
30	7.08	30.66	24.02	1474.
50	7.02	30.78	24.12	1474.
75	6.99	30.85	24.18	1475.
100	6.97	30.98	24.29	1475.
125	6.97	31.01	24.31	1476.
150	6.97	31.03	24.32	1476.
175	6.97	31.04	24.33	1477.
200	6.96	31.05	24.34	1477.
225	6.96	31.07	24.36	1477.
250	6.97	31.09	24.37	1478.
275	6.97	31.10	24.38	1478.
300	6.97	31.10	24.38	1479.
325	6.97	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #118
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 20: 1: 3 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.25	30.50	23.87	1474.
10	7.24	30.52	23.89	1474.
20	7.12	30.60	23.97	1474.
30	7.08	30.65	24.02	1474.
50	7.03	30.77	24.11	1474.
75	6.99	30.85	24.18	1475.
100	6.98	30.90	24.22	1475.
125	6.97	30.92	24.24	1476.
150	6.97	31.01	24.31	1476.
175	6.97	31.03	24.33	1477.
200	6.97	31.03	24.33	1477.
225	6.97	31.04	24.33	1477.
250	6.97	31.04	24.34	1478.
275	6.96	31.06	24.35	1478.
300	6.97	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #120
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 21: 1:33 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.22	30.49	23.87	1474.
10	7.22	30.53	23.90	1474.
20	7.18	30.59	23.95	1474.
30	7.12	30.62	23.98	1474.
50	7.06	30.70	24.05	1474.
75	6.99	30.85	24.18	1475.
100	6.98	30.90	24.22	1475.
125	6.97	30.95	24.26	1476.
150	6.97	30.99	24.29	1476.
175	6.97	31.02	24.32	1477.
200	6.97	31.02	24.32	1477.
225	6.97	31.03	24.33	1477.
250	6.97	31.04	24.34	1478.
275	6.96	31.06	24.35	1478.
300	6.97	31.09	24.37	1479.
325	6.97	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #121
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 22: 0: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.34	30.44	23.81	1474.
10	7.33	30.48	23.85	1475.
20	7.28	30.54	23.90	1475.
30	7.18	30.60	23.96	1474.
50	7.08	30.66	24.02	1474.
75	7.05	30.74	24.09	1475.
100	6.99	30.84	24.17	1475.
125	6.97	30.92	24.24	1476.
150	6.97	31.00	24.30	1476.
175	6.97	31.01	24.31	1477.
200	6.97	31.01	24.31	1477.
225	6.97	31.04	24.34	1477.
250	6.97	31.06	24.35	1478.
275	6.97	31.08	24.37	1478.
300	6.97	31.09	24.37	1479.
325	6.96	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #122
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 22:57:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.31	30.46	23.84	1474.
10	7.32	30.50	23.86	1475.
20	7.32	30.51	23.87	1475.
30	7.28	30.54	23.90	1475.
50	7.09	30.66	24.02	1475.
75	7.04	30.75	24.10	1475.
100	7.00	30.83	24.16	1475.
125	6.97	30.98	24.29	1476.
150	6.97	31.00	24.30	1476.
175	6.97	31.01	24.31	1477.
200	6.97	31.03	24.32	1477.
225	6.97	31.05	24.34	1477.
250	6.97	31.06	24.35	1478.
275	6.97	31.07	24.36	1478.
300	6.97	31.09	24.37	1479.
325	6.96	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #123
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/25 TIME 23:53:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.24	30.51	23.88	1474.
10	7.20	30.54	23.91	1474.
20	7.16	30.57	23.94	1474.
30	7.10	30.62	23.99	1474.
50	7.05	30.73	24.08	1474.
75	7.02	30.78	24.13	1475.
100	7.00	30.83	24.16	1475.
125	6.98	30.91	24.23	1476.
150	6.97	30.96	24.27	1476.
175	6.97	30.99	24.30	1477.
200	6.97	31.03	24.32	1477.
225	6.97	31.04	24.34	1477.
250	6.97	31.06	24.35	1478.
275	6.97	31.08	24.37	1478.
300	6.97	31.10	24.38	1479.
325	6.97	31.11	24.39	1479.

STATION J 9 CRUISE 76-20 CONS #125
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 0:59: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.20	30.48	23.86	1474.
10	7.20	30.53	23.91	1474.
20	7.17	30.57	23.94	1474.
30	7.13	30.60	23.96	1474.
50	7.08	30.66	24.02	1475.
75	7.03	30.76	24.11	1475.
100	7.01	30.80	24.14	1475.
125	6.98	30.92	24.24	1476.
150	6.97	30.97	24.28	1476.
175	6.97	30.99	24.29	1477.
200	6.97	31.03	24.32	1477.
225	6.98	31.05	24.34	1477.
250	6.98	31.07	24.36	1478.
275	6.98	31.09	24.37	1478.
300	6.97	31.11	24.39	1479.
325	6.97	31.12	24.40	1479.

STATION J 9 CRUISE 76-20 CONS #126
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 2: 2:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.16	30.51	23.89	1474.
10	7.17	30.54	23.92	1474.
20	7.17	30.55	23.93	1474.
30	7.17	30.55	23.93	1474.
50	7.10	30.62	23.98	1475.
75	7.05	30.72	24.08	1475.
100	7.01	30.81	24.14	1475.
125	6.97	30.91	24.24	1476.
150	6.96	30.99	24.29	1476.
175	6.97	31.01	24.31	1477.
200	6.97	31.04	24.33	1477.
225	6.97	31.07	24.35	1477.
250	6.97	31.08	24.37	1478.
275	6.97	31.10	24.38	1478.
300	6.97	31.11	24.39	1479.
325	6.97	31.12	24.40	1479.

STATION J 9 CRUISE 76-20 CONS #127
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 3: 0:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.24	30.31	23.72	1474.
10	7.21	30.50	23.88	1474.
20	7.19	30.53	23.91	1474.
30	7.14	30.60	23.97	1474.
50	7.11	30.67	24.02	1475.
75	7.03	30.75	24.10	1475.
100	7.00	30.82	24.16	1475.
125	6.97	30.92	24.24	1476.
150	6.96	30.97	24.28	1476.
175	6.97	31.00	24.31	1477.
200	6.97	31.03	24.33	1477.
225	6.97	31.04	24.33	1477.
250	6.97	31.06	24.35	1478.
275	6.97	31.08	24.37	1478.
300	6.97	31.10	24.38	1479.
325	6.97	31.12	24.40	1479.

STATION J 9 CRUISE 76-20 CONS #128
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 4: 4:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.25	30.35	23.76	1474.
10	7.27	30.50	23.87	1474.
20	7.23	30.56	23.92	1474.
30	7.15	30.60	23.96	1474.
50	7.13	30.65	24.00	1475.
75	7.05	30.73	24.08	1475.
100	7.01	30.79	24.14	1475.
125	6.98	30.87	24.20	1476.
150	6.97	30.96	24.27	1476.
175	6.97	31.01	24.31	1477.
200	6.97	31.04	24.33	1477.
225	6.97	31.05	24.34	1477.
250	6.97	31.06	24.35	1478.
275	6.97	31.08	24.36	1478.
300	6.97	31.09	24.38	1479.
325	6.97	31.12	24.39	1479.

STATION J 9 CRUISE 76-20 CONS #130
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 5: 3:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.27	30.43	23.82	1474.
10	7.25	30.54	23.91	1474.
20	7.17	30.60	23.96	1474.
30	7.18	30.61	23.97	1474.
50	7.08	30.70	24.05	1475.
75	7.01	30.83	24.16	1475.
100	6.99	30.87	24.20	1475.
125	6.98	30.92	24.24	1476.
150	6.97	30.94	24.26	1476.
175	6.97	31.02	24.32	1477.
200	6.97	31.03	24.32	1477.
225	6.97	31.06	24.35	1477.
250	6.98	31.07	24.36	1478.
275	6.97	31.08	24.37	1478.
300	6.97	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #131
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 6: 0:49 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.21	30.51	23.89	1474.
10	7.19	30.56	23.92	1474.
20	7.14	30.62	23.98	1474.
30	7.14	30.63	23.99	1474.
50	7.08	30.75	24.09	1475.
75	6.99	30.88	24.20	1475.
100	6.98	30.91	24.23	1475.
125	6.97	30.95	24.26	1476.
150	6.97	31.01	24.31	1476.
175	6.97	31.03	24.33	1477.
200	6.97	31.04	24.34	1477.
225	6.97	31.07	24.36	1477.
250	6.96	31.09	24.38	1478.
275	6.96	31.10	24.38	1478.
300	6.97	31.11	24.39	1479.
325	6.97	31.12	24.40	1479.

STATION J 9 CRUISE 76-20 CONS #132
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 7: 0:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.25	30.37	23.77	1474.
10	7.21	30.51	23.89	1474.
20	7.15	30.61	23.97	1474.
30	7.14	30.63	23.99	1474.
50	7.11	30.73	24.07	1475.
75	6.99	30.86	24.19	1475.
100	6.98	30.87	24.20	1475.
125	6.98	30.89	24.21	1476.
150	6.97	30.96	24.27	1476.
175	6.97	31.00	24.30	1477.
200	6.97	31.03	24.33	1477.
225	6.96	31.05	24.34	1477.
250	6.96	31.07	24.36	1478.
275	6.96	31.08	24.37	1478.
300	6.96	31.09	24.37	1479.
325	6.97	31.10	24.39	1479.

STATION J 9 CRUISE 76-20 CONS #133
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 7:59:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.27	30.42	23.81	1474.
10	7.22	30.55	23.92	1474.
20	7.16	30.62	23.98	1474.
30	7.11	30.66	24.02	1474.
50	7.08	30.74	24.09	1475.
75	7.04	30.80	24.13	1475.
100	6.99	30.87	24.20	1475.
125	6.97	30.94	24.25	1476.
150	6.97	30.96	24.27	1476.
175	6.96	30.98	24.28	1476.
200	6.97	31.01	24.31	1477.
225	6.96	31.03	24.33	1477.
250	6.96	31.06	24.35	1478.
275	6.96	31.09	24.37	1478.
300	6.97	31.10	24.38	1479.
325	6.97	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #135
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 8:59:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.32	30.43	23.81	1474.
10	7.26	30.46	23.84	1474.
20	7.21	30.50	23.88	1474.
30	7.21	30.52	23.90	1474.
50	7.20	30.60	23.96	1475.
75	7.10	30.69	24.04	1475.
100	7.06	30.75	24.09	1475.
125	7.01	30.83	24.16	1476.
150	6.97	30.96	24.27	1476.
175	6.97	30.99	24.29	1477.
200	6.97	31.01	24.31	1477.
225	6.96	31.01	24.31	1477.
250	6.96	31.03	24.33	1478.
275	6.96	31.07	24.36	1478.
300	6.96	31.09	24.38	1479.
325	6.96	31.09	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #136
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 9:57:29 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.34	30.46	23.83	1474.
10	7.21	30.53	23.90	1474.
20	7.20	30.53	23.91	1474.
30	7.19	30.55	23.92	1474.
50	7.16	30.66	24.01	1475.
75	7.04	30.78	24.12	1475.
100	7.00	30.83	24.17	1475.
125	6.98	30.88	24.21	1476.
150	6.97	30.95	24.26	1476.
175	6.96	30.99	24.30	1476.
200	6.96	31.02	24.32	1477.
225	6.97	31.04	24.34	1477.
250	6.96	31.05	24.34	1478.
275	6.96	31.06	24.35	1478.
300	6.96	31.07	24.36	1479.
325	6.96	31.10	24.38	1479.

STATION J 9 CRUISE 76-20 CONS #137
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 11: 0: 3 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.49	30.47	23.82	1475.
10	7.22	30.52	23.89	1474.
20	7.20	30.56	23.92	1474.
30	7.21	30.58	23.94	1475.
50	7.14	30.66	24.01	1475.
75	7.05	30.76	24.11	1475.
100	6.99	30.86	24.19	1475.
125	6.98	30.89	24.21	1476.
150	6.97	30.93	24.24	1476.
175	6.97	30.97	24.28	1476.
200	6.96	30.99	24.30	1477.
225	6.97	31.04	24.33	1477.
250	6.97	31.04	24.34	1478.
275	6.97	31.05	24.34	1478.
300	6.97	31.08	24.37	1479.
325	6.97	31.12	24.39	1479.

STATION J 9 CRUISE 76-20 CONS #138
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 11:59:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.56	30.45	23.79	1475.
10	7.23	30.50	23.88	1474.
20	7.20	30.56	23.93	1474.
30	7.19	30.59	23.95	1474.
50	7.10	30.69	24.04	1475.
75	7.04	30.77	24.11	1475.
100	6.99	30.85	24.18	1475.
125	6.97	30.92	24.24	1476.
150	6.97	30.97	24.28	1476.
175	6.97	31.01	24.31	1477.
200	6.97	31.05	24.35	1477.
225	6.97	31.08	24.37	1477.
250	6.97	31.09	24.37	1478.
275	6.97	31.12	24.39	1478.
300	6.97	31.12	24.40	1479.
325	6.97	31.13	24.40	1479.

STATION J 9 CRUISE 76-20 CONS #140
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 13: 0:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.46	30.43	23.79	1475.
10	7.30	30.51	23.87	1475.
20	7.22	30.56	23.93	1474.
30	7.14	30.63	23.99	1474.
50	7.09	30.68	24.04	1475.
75	7.05	30.76	24.10	1475.
100	6.99	30.89	24.22	1475.
125	6.98	30.94	24.25	1476.
150	6.97	30.96	24.27	1476.
175	6.96	31.00	24.31	1477.
200	6.97	31.05	24.34	1477.
225	6.97	31.06	24.35	1477.
250	6.97	31.06	24.35	1478.
275	6.97	31.08	24.36	1478.
300	6.97	31.09	24.38	1479.
325	6.97	31.12	24.40	1479.

STATION J9 CRUISE 76-20 CONS #141
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 13:58: 1 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.41	30.37	23.75	1475.
10	7.27	30.48	23.86	1474.
20	7.17	30.59	23.95	1474.
30	7.17	30.59	23.96	1474.
50	7.15	30.61	23.98	1475.
75	7.11	30.67	24.03	1475.
100	7.04	30.78	24.12	1475.
125	6.97	30.92	24.24	1476.
150	6.97	30.96	24.27	1476.
175	6.97	31.04	24.33	1477.
200	6.97	31.05	24.34	1477.
225	6.97	31.07	24.36	1477.
250	6.97	31.08	24.37	1478.
275	6.98	31.10	24.38	1478.
300	6.97	31.13	24.40	1479.
325	6.97	31.14	24.41	1479.

STATION J9 CRUISE 76-20 CONS #142
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 14:59:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.43	30.41	23.78	1475.
10	7.27	30.49	23.86	1474.
20	7.22	30.54	23.91	1474.
30	7.17	30.60	23.96	1474.
50	7.13	30.63	23.99	1475.
75	7.08	30.73	24.08	1475.
100	6.99	30.87	24.20	1475.
125	6.97	30.96	24.27	1476.
150	6.97	31.03	24.33	1476.
175	6.97	31.03	24.33	1477.
200	6.97	31.05	24.34	1477.
225	6.97	31.07	24.36	1477.
250	6.98	31.09	24.37	1478.
275	6.97	31.12	24.40	1478.
300	6.97	31.13	24.40	1479.
325	6.97	31.13	24.41	1479.

STATION J 9 CRUISE 76-20 CONS #143
 POSITION 50-28.5N 126-10.7W
 DATE 76/ 4/26 TIME 16: 5:53 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.74	30.42	23.75	1476.
10	7.66	30.46	23.79	1476.
20	7.26	30.54	23.90	1475.
30	7.22	30.55	23.92	1475.
50	7.17	30.57	23.94	1475.
75	7.15	30.63	23.99	1475.
100	7.11	30.73	24.08	1476.
125	7.03	30.81	24.14	1476.
150	6.97	30.93	24.25	1476.
175	6.97	30.99	24.29	1476.
200	6.97	31.04	24.33	1477.
225	6.97	31.06	24.35	1477.
250	6.97	31.06	24.35	1478.
275	6.98	31.08	24.37	1478.
300	6.97	31.14	24.41	1479.
325	6.97	31.13	24.41	1479.

STATION J 8 CRUISE 76-20 CONS #148
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/26 TIME 19: 0:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.33	30.52	23.88	1474.
10	7.32	30.53	23.89	1475.
20	7.28	30.54	23.90	1475.
30	7.12	30.67	24.02	1474.
50	7.11	30.69	24.05	1475.
75	7.09	30.74	24.08	1475.
100	7.08	30.75	24.09	1475.
125	7.07	30.77	24.11	1476.
150	7.05	30.80	24.14	1476.
175	7.01	30.89	24.21	1477.
200	6.98	30.97	24.28	1477.
225	6.97	31.01	24.31	1477.
250	6.96	31.07	24.36	1478.

STATION J 8 CRUISE 76-20 CONS #149
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/26 TIME 19:56:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.23	30.56	23.93	1474.
10	7.23	30.59	23.94	1474.
20	7.21	30.60	23.96	1474.
30	7.20	30.61	23.97	1475.
50	7.17	30.64	23.99	1475.
75	7.10	30.75	24.09	1475.
100	7.05	30.83	24.16	1475.
125	7.01	30.90	24.22	1476.
150	7.00	30.95	24.26	1476.
175	7.00	30.95	24.26	1477.
200	6.98	31.02	24.32	1477.
225	6.97	31.03	24.33	1477.

STATION J 8 CRUISE 76-20 CONS #151
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/26 TIME 20:58: 4 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.25	30.53	23.90	1474.
10	7.25	30.55	23.92	1474.
20	7.25	30.56	23.92	1475.
30	7.20	30.61	23.96	1475.
50	7.16	30.66	24.01	1475.
75	7.14	30.69	24.03	1475.
100	7.08	30.78	24.12	1475.
125	7.02	30.91	24.23	1476.
150	7.00	30.94	24.25	1476.
175	6.99	30.97	24.27	1477.
200	6.99	30.96	24.27	1477.
225	6.99	30.96	24.27	1477.

STATION J 8 CRUISE 76-20 CONS #152
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/26 TIME 21:57:59 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.25	30.39	23.79	1474.
10	7.25	30.46	23.85	1474.
20	7.25	30.51	23.88	1474.
30	7.23	30.55	23.92	1475.
50	7.13	30.69	24.04	1475.
75	7.08	30.76	24.10	1475.
100	7.07	30.79	24.13	1475.
125	7.03	30.89	24.21	1476.
150	7.01	30.92	24.24	1476.
175	7.00	30.96	24.26	1477.
200	6.99	30.97	24.27	1477.
225	6.98	31.02	24.32	1477.

STATION J 8 CRUISE 76-20 CONS #153
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/26 TIME 23: 0:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.24	30.44	23.83	1474.
10	7.24	30.51	23.88	1474.
20	7.24	30.55	23.92	1474.
30	7.24	30.57	23.93	1475.
50	7.14	30.67	24.02	1475.
75	7.08	30.76	24.10	1475.
100	7.04	30.85	24.18	1475.
125	6.98	30.97	24.28	1476.
150	6.97	31.02	24.32	1476.
175	6.97	31.02	24.32	1477.
200	6.97	31.05	24.34	1477.
225	6.97	31.05	24.34	1477.

STATION J 8 CRUISE 76-20 CONS #154
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/26 TIME 23:58:15 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.23	30.45	23.84	1474.
10	7.24	30.53	23.90	1474.
20	7.22	30.58	23.94	1474.
30	7.16	30.64	24.00	1474.
50	7.13	30.68	24.03	1475.
75	7.09	30.74	24.08	1475.
100	7.04	30.83	24.16	1475.
125	6.99	30.92	24.24	1476.
150	6.97	30.99	24.29	1476.
175	6.97	31.04	24.33	1477.
200	6.97	31.07	24.35	1477.
225	6.97	31.07	24.36	1477.

STATION J 8 CRUISE 76-20 CONS #156
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 1: 1:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.27	30.49	23.87	1474.
10	7.28	30.54	23.90	1474.
20	7.21	30.59	23.95	1474.
30	7.17	30.62	23.98	1474.
50	7.10	30.71	24.06	1475.
75	7.06	30.78	24.12	1475.
100	6.98	30.93	24.24	1475.
125	6.98	30.94	24.25	1476.
150	6.97	30.99	24.29	1476.
175	6.97	31.04	24.34	1477.
200	6.98	31.07	24.35	1477.
225	6.97	31.10	24.38	1477.

STATION J 8 CRUISE 76-20 CONS #157
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 2: 0:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.25	30.49	23.86	1474.
10	7.24	30.56	23.92	1474.
20	7.15	30.65	24.00	1474.
30	7.11	30.69	24.04	1474.
50	7.06	30.79	24.12	1475.
75	6.99	30.91	24.23	1475.
100	6.97	30.95	24.27	1475.
125	6.97	31.02	24.32	1476.
150	6.97	31.04	24.34	1476.
175	6.97	31.07	24.36	1477.
200	6.97	31.10	24.38	1477.
225	6.97	31.11	24.38	1477.

STATION J 8 CRUISE 76-20 CONS #158
 POSITION 50-20.7N 126- 3.4W
 DATE 76/ 4/27 TIME 3: 0:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.22	30.52	23.90	1474.
10	7.23	30.56	23.92	1474.
20	7.23	30.58	23.94	1475.
30	7.13	30.66	24.02	1474.
50	7.09	30.73	24.08	1475.
75	6.98	30.92	24.24	1475.
100	6.98	30.98	24.29	1475.
125	6.98	31.02	24.32	1476.
150	6.97	31.03	24.33	1476.
175	6.97	31.07	24.36	1477.
200	6.98	31.10	24.38	1477.
225	6.97	31.10	24.38	1477.

STATION J 8 CRUISE 76-20 CONS #159
 POSITION 50-20.7N 126- 3.4W
 DATE 76/ 4/27 TIME 4: 2: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.14	30.50	23.89	1474.
10	7.19	30.55	23.92	1474.
20	7.18	30.56	23.93	1474.
30	7.20	30.57	23.94	1475.
50	7.19	30.60	23.96	1475.
75	7.06	30.77	24.11	1475.
100	6.98	30.93	24.25	1475.
125	6.97	31.02	24.32	1476.
150	6.98	31.03	24.32	1476.
175	6.97	31.04	24.33	1477.
200	6.97	31.07	24.36	1477.
225	6.97	31.10	24.38	1477.

STATION J 8 CRUISE 76-20 CONS #161
 POSITION 50-20.7N 126- 3.4W
 DATE 76/ 4/27 TIME 5: 4:22 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.20	30.45	23.84	1474.
10	7.19	30.61	23.97	1474.
20	7.18	30.62	23.97	1474.
30	7.13	30.69	24.04	1474.
50	7.08	30.75	24.09	1475.
75	7.05	30.81	24.14	1475.
100	7.01	30.89	24.21	1475.
125	6.98	30.95	24.26	1476.
150	6.97	30.99	24.30	1476.
175	6.97	31.02	24.32	1477.
200	6.97	31.04	24.33	1477.
225	6.97	31.05	24.34	1477.

STATION J 8 CRUISE 76-20 CONS #162
 POSITION 50-20.7N 126- 3.4W
 DATE 76/ 4/27 TIME 6: 1: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.17	30.52	23.90	1474.
10	7.18	30.55	23.92	1474.
20	7.15	30.64	24.00	1474.
30	7.13	30.69	24.04	1474.
50	7.08	30.78	24.11	1475.
75	7.07	30.78	24.12	1475.
100	7.06	30.80	24.14	1475.
125	7.06	30.81	24.14	1476.
150	7.03	30.87	24.20	1476.
175	7.01	30.92	24.23	1477.
200	6.99	30.97	24.28	1477.
225	6.97	31.07	24.35	1477.

STATION J 8 CRUISE 76-20 CONS #163
 POSITION 50-20.7N 126- 3.4W
 DATE 76/ 4/27 TIME 7: 1:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.20	30.52	23.90	1474.
10	7.18	30.62	23.97	1474.
20	7.17	30.62	23.98	1474.
30	7.17	30.62	23.98	1474.
50	7.16	30.63	23.99	1475.
75	7.15	30.67	24.02	1475.
100	7.14	30.68	24.03	1476.
125	7.14	30.69	24.03	1476.
150	7.08	30.80	24.13	1476.
175	7.07	30.81	24.14	1477.
200	7.04	30.87	24.19	1477.
225	7.02	30.92	24.23	1477.

STATION J 8 CRUISE 76-20 CONS #164
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 8: 0:51 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.18	30.55	23.92	1474.
10	7.18	30.54	23.92	1474.
20	7.18	30.55	23.92	1474.
30	7.18	30.56	23.93	1474.
50	7.17	30.64	23.99	1475.
75	7.10	30.75	24.09	1475.
100	7.06	30.84	24.16	1475.
125	7.06	30.83	24.16	1476.
150	7.05	30.85	24.17	1476.
175	7.05	30.85	24.17	1477.
200	7.02	30.93	24.24	1477.
225	6.99	30.98	24.28	1477.
250	6.98	31.01	24.31	1478.

STATION J 8 CRUISE 76-20 CONS #166
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 8:59:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.23	30.53	23.90	1474.
10	7.20	30.55	23.92	1474.
20	7.19	30.58	23.94	1474.
30	7.17	30.60	23.96	1474.
50	7.15	30.65	24.00	1475.
75	7.14	30.69	24.04	1475.
100	7.10	30.76	24.10	1475.
125	7.09	30.77	24.11	1476.
150	7.09	30.78	24.11	1476.
175	7.02	30.93	24.24	1477.
200	7.00	30.96	24.27	1477.
225	6.99	30.98	24.29	1477.

STATION J 8 CRUISE 76-20 CONS #169
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 10: 6:12 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.29	30.54	23.90	1474.
10	7.18	30.58	23.94	1474.
20	7.18	30.59	23.95	1474.
30	7.18	30.61	23.97	1475.
50	7.15	30.66	24.02	1475.
75	7.12	30.70	24.05	1475.
100	7.12	30.72	24.06	1476.
125	7.07	30.82	24.15	1476.
150	7.04	30.88	24.20	1476.
175	7.00	30.98	24.28	1477.
200	6.97	31.07	24.35	1477.
225	6.97	31.09	24.37	1478.

STATION J 8 CRUISE 76-20 CONS #170
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 10:59:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.35	30.51	23.86	1475.
10	7.19	30.60	23.96	1474.
20	7.17	30.61	23.97	1474.
30	7.17	30.61	23.97	1474.
50	7.14	30.66	24.02	1475.
75	7.06	30.83	24.16	1475.
100	7.04	30.86	24.18	1475.
125	7.02	30.90	24.22	1476.
150	6.99	30.98	24.29	1476.
175	6.99	31.00	24.30	1477.
200	6.97	31.05	24.34	1477.
225	6.97	31.08	24.36	1477.

STATION J 8 CRUISE 76-20 CONS #171
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 11:59:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.24	30.51	23.88	1474.
10	7.19	30.58	23.95	1474.
20	7.18	30.59	23.95	1474.
30	7.17	30.60	23.96	1474.
50	7.15	30.64	24.00	1475.
75	7.10	30.74	24.08	1475.
100	7.06	30.81	24.14	1475.
125	7.00	30.92	24.24	1476.
150	6.98	30.97	24.28	1476.
175	6.97	31.04	24.33	1477.
200	6.97	31.09	24.37	1477.
225	6.97	31.10	24.38	1477.

STATION J 8 CRUISE 76-20 CONS #173
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 13: 2:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.46	30.47	23.82	1475.
10	7.22	30.57	23.94	1474.
20	7.19	30.59	23.95	1474.
30	7.16	30.62	23.98	1474.
50	7.13	30.67	24.02	1475.
75	7.06	30.81	24.14	1475.
100	6.99	30.96	24.27	1475.
125	6.99	30.98	24.28	1476.
150	6.98	30.99	24.29	1476.
175	6.97	31.07	24.36	1477.
200	6.97	31.11	24.38	1477.
225	6.97	31.11	24.39	1477.
250	6.97	31.11	24.39	1478.

STATION J 8 CRUISE 76-20 CONS #174
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 13:57:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.55	30.44	23.78	1475.
10	7.40	30.49	23.85	1475.
20	7.24	30.57	23.93	1475.
30	7.18	30.60	23.97	1474.
50	7.07	30.77	24.11	1475.
75	7.02	30.90	24.22	1475.
100	6.98	30.95	24.26	1475.
125	6.97	31.00	24.30	1476.
150	6.97	31.04	24.33	1476.
175	6.97	31.07	24.36	1477.
200	6.97	31.10	24.38	1477.
225	6.97	31.11	24.39	1477.

STATION J 8 CRUISE 76-20 CONS #175
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 14:59:15 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.76	30.44	23.76	1476.
10	7.31	30.54	23.90	1475.
20	7.24	30.59	23.95	1475.
30	7.17	30.62	23.98	1474.
50	7.06	30.80	24.14	1475.
75	7.00	30.92	24.24	1475.
100	6.97	30.97	24.28	1475.
125	6.97	30.99	24.30	1476.
150	6.97	31.02	24.32	1476.
175	6.97	31.09	24.37	1477.
200	6.97	31.10	24.38	1477.
225	6.97	31.11	24.39	1477.
250	6.97	31.12	24.39	1478.

STATION J 8 CRUISE 76-20 CONS #176
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 16: 0:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.91	30.47	23.76	1477.
10	7.23	30.55	23.91	1474.
20	7.18	30.62	23.98	1474.
30	7.12	30.71	24.06	1474.
50	7.02	30.88	24.20	1475.
75	7.01	30.89	24.21	1475.
100	6.98	30.95	24.26	1475.
125	6.97	31.02	24.32	1476.
150	6.97	31.06	24.35	1476.
175	6.97	31.07	24.36	1477.
200	6.97	31.11	24.39	1477.
225	6.97	31.11	24.39	1478.
250	6.97	31.11	24.39	1478.

STATION J 8 CRUISE 76-20 CONS #178
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 16:59:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.69	30.50	23.82	1476.
10	7.39	30.51	23.87	1475.
20	7.24	30.54	23.91	1475.
30	7.23	30.55	23.92	1475.
50	7.15	30.64	24.00	1475.
75	7.02	30.88	24.20	1475.
100	7.01	30.90	24.22	1475.
125	6.98	30.95	24.26	1476.
150	6.97	31.02	24.32	1476.
175	6.97	31.09	24.37	1477.
200	6.97	31.09	24.37	1477.
225	6.97	31.09	24.37	1477.
250	6.97	31.10	24.38	1478.

STATION J 8 CRUISE 76-20 CONS #179
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 18: 1:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.22	30.56	23.93	1474.
10	7.17	30.62	23.98	1474.
20	7.16	30.63	23.99	1474.
30	7.15	30.64	24.00	1474.
50	7.14	30.66	24.01	1475.
75	7.10	30.73	24.08	1475.
100	7.06	30.83	24.16	1475.
125	7.03	30.87	24.19	1476.
150	7.00	30.90	24.22	1476.
175	6.98	31.02	24.32	1477.
200	6.97	31.08	24.36	1477.
225	6.97	31.09	24.37	1477.
250	6.97	31.09	24.38	1478.

STATION J 8 CRUISE 76-20 CONS #182
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 19: 0:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.26	30.55	23.91	1474.
10	7.20	30.62	23.98	1474.
20	7.20	30.63	23.98	1474.
30	7.19	30.64	23.99	1475.
50	7.20	30.64	23.99	1475.
75	7.09	30.78	24.11	1475.
100	7.08	30.81	24.14	1475.
125	7.08	30.82	24.15	1476.
150	7.06	30.84	24.16	1476.
175	7.04	30.90	24.21	1477.
200	6.97	31.05	24.34	1477.
225	6.97	31.08	24.36	1477.
250	6.97	31.09	24.37	1478.

STATION J 8 CRUISE 76-20 CONS #183
 POSITION 50-27.5N 126- 3.4W
 DATE 76/ 4/27 TIME 19:58:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.39	30.49	23.84	1475.
10	7.34	30.55	23.90	1475.
20	7.31	30.56	23.92	1475.
30	7.29	30.57	23.93	1475.
50	7.24	30.60	23.95	1475.
75	7.17	30.66	24.01	1475.
100	7.10	30.75	24.09	1476.
125	7.01	30.95	24.26	1476.
150	7.00	30.98	24.28	1476.
175	6.98	31.04	24.33	1477.
200	6.98	31.05	24.34	1477.
225	6.97	31.07	24.35	1477.
250	6.97	31.10	24.38	1478.

STATION QST6 CRUISE 77-10 CONS # 34
 POSITION 50-40.5N 127-13.5W
 DATE 77/ 1/30 TIME 4: 7:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.34	30.21	23.64	1474.
10	7.33	30.37	23.76	1474.
20	7.47	30.49	23.84	1475.
30	7.61	30.64	23.94	1476.
50	7.73	30.88	24.10	1477.
75	7.77	30.96	24.16	1478.
100	7.80	31.01	24.20	1479.

STATION QST6 CRUISE 77-10 CONS # 36
 POSITION 50-41.0N 127-15.1W
 DATE 77/ 1/30 TIME 5: 3:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.37	31.04	24.28	1475.
10	7.40	31.14	24.36	1476.
20	7.54	31.25	24.42	1477.
30	7.68	31.48	24.58	1478.
50	7.75	31.58	24.65	1478.
75	7.77	31.61	24.68	1479.
100	7.81	31.62	24.67	1479.

STATION QST6 CRUISE 77-10 CONS # 37
 POSITION 50-41.0N 127-15.1W
 DATE 77/ 1/30 TIME 5:29:59 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.33	30.88	24.16	1475.
10	7.39	30.93	24.19	1475.
20	7.55	31.02	24.24	1476.
30	7.63	31.20	24.37	1477.
50	7.75	31.39	24.50	1478.
75	7.78	31.45	24.55	1479.
100	7.80	31.52	24.60	1479.

STATION QST6 CRUISE 77-10 CONS # 38
 POSITION 50-41.0N 127-15.1W
 DATE 77/ 1/30 TIME 5:59:10 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.32	31.06	24.30	1475.
10	7.50	31.17	24.37	1476.
20	7.53	31.23	24.41	1477.
30	7.59	31.41	24.54	1477.
50	7.75	31.58	24.65	1478.
75	7.78	31.65	24.70	1479.
100	7.81	31.72	24.76	1480.

STATION QST6 CRUISE 77-10 CONS # 39
 POSITION 50-41.0N 127-15.1W
 DATE 77/ 1/30 TIME 6:30: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.36	31.09	24.32	1475.
10	7.39	31.12	24.34	1476.
20	7.40	31.16	24.37	1476.
30	7.62	31.40	24.53	1477.
50	7.74	31.56	24.64	1478.
75	7.78	31.60	24.67	1479.

STATION QST6 CRUISE 77-10 CONS # 40
 POSITION 50-41.0N 127-15.1W
 DATE 77/ 1/30 TIME 6:58:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.36	31.04	24.28	1475.
10	7.35	31.14	24.36	1476.
20	7.54	31.24	24.41	1477.
30	7.64	31.41	24.53	1477.
50	7.75	31.57	24.64	1478.
75	7.79	31.61	24.67	1479.
100	7.82	31.60	24.66	1479.

STATION QST6 CRUISE 77-10 CONS # 41
 POSITION 50-41.0N 127-15.1W
 DATE 77/ 1/30 TIME 7:28: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.42	30.47	23.83	1475.
10	7.40	30.45	23.81	1475.
20	7.58	30.61	23.91	1476.
30	7.69	30.78	24.04	1477.
50	7.77	30.93	24.14	1478.
75	7.78	30.94	24.15	1478.
100	7.80	30.90	24.11	1478.

STATION QST6 CRUISE 77-10 CONS # 42
 POSITION 50-41.0N 127-15.1W
 DATE 77/ 1/30 TIME 8: 1:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.23	31.03	24.29	1475.
10	7.33	31.18	24.40	1476.
20	7.55	31.34	24.49	1477.
30	7.67	31.51	24.61	1478.
50	7.77	31.69	24.73	1479.
75	7.79	31.75	24.78	1479.
100	7.80	31.74	24.77	1480.

STATION J14A CRUISE 77-10 CONS # 52
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/30 TIME 18: 2:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.53	30.77	24.05	1476.
10	7.51	30.94	24.19	1476.
20	7.52	30.99	24.22	1476.
30	7.52	31.04	24.26	1476.
50	7.53	31.07	24.28	1477.
75	7.52	31.09	24.30	1477.

STATION J14A CRUISE 77-10 CONS # 54
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/30 TIME 19: 3:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.52	30.52	23.86	1475.
10	7.53	30.92	24.16	1476.
20	7.53	31.04	24.26	1476.
30	7.53	31.09	24.30	1476.
50	7.52	31.13	24.33	1477.
75	7.53	31.12	24.32	1477.
100	7.66	31.41	24.53	1479.

STATION J14A CRUISE 77-10 CONS # 55
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/30 TIME 20: 2:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.51	30.75	24.03	1475.
10	7.50	30.71	24.01	1476.
20	7.50	30.77	24.05	1476.
30	7.50	30.81	24.09	1476.
50	7.52	30.82	24.09	1476.
75	7.56	30.88	24.13	1477.
100	7.67	31.09	24.28	1478.
125	7.68	31.10	24.28	1479.

STATION J14A CRUISE 77-10 CONS # 56
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/30 TIME 20:34: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.52	30.86	24.12	1476.
10	7.53	30.91	24.15	1476.
20	7.52	30.96	24.20	1476.
30	7.52	31.03	24.25	1476.
50	7.52	31.06	24.27	1477.
75	7.58	31.13	24.33	1478.
100	7.59	31.13	24.32	1478.
125	7.66	31.26	24.41	1479.

STATION J14A CRUISE 77-10 CONS # 57
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/30 TIME 20:59:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.55	30.81	24.07	1476.
10	7.53	30.88	24.13	1476.
20	7.52	30.94	24.18	1476.
30	7.52	30.96	24.20	1476.
50	7.57	31.10	24.30	1477.
75	7.60	31.17	24.35	1478.
100	7.63	31.21	24.38	1478.
125	7.66	31.25	24.41	1479.

STATION J14A CRUISE 77-10 CONS # 58
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/30 TIME 22: 0:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.61	31.09	24.29	1476.
10	7.60	31.24	24.40	1477.
20	7.62	31.36	24.49	1477.
30	7.64	31.40	24.53	1477.
50	7.65	31.43	24.55	1478.
75	7.66	31.38	24.51	1478.
100	7.66	31.33	24.47	1478.
125	7.66	31.31	24.45	1479.

STATION J14A CRUISE 77-10 CONS # 60
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/30 TIME 23: 3:57 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.56	30.96	24.19	1476.
10	7.57	31.12	24.32	1476.
20	7.58	31.08	24.29	1477.
30	7.59	31.16	24.35	1477.
50	7.60	31.18	24.36	1477.
75	7.62	31.24	24.40	1478.
100	7.62	31.25	24.41	1478.

STATION J14A CRUISE 77-10 CONS # 61
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/31 TIME 0: 1:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.51	30.81	24.08	1476.
10	7.51	30.95	24.19	1476.
20	7.52	31.00	24.23	1476.
30	7.52	31.02	24.25	1476.
50	7.58	31.18	24.36	1477.
75	7.63	31.26	24.42	1478.
100	7.66	31.27	24.42	1478.
125	7.66	31.28	24.43	1479.

STATION J14A CRUISE 77-10 CONS # 62
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/31 TIME 0:58:28 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.51	30.51	23.85	1475.
10	7.50	30.75	24.04	1476.
20	7.56	30.92	24.16	1476.
30	7.54	30.97	24.20	1476.
50	7.62	31.24	24.41	1477.
75	7.61	31.23	24.40	1478.
100	7.62	31.22	24.39	1478.
125	7.60	31.20	24.37	1478.

STATION J14A CRUISE 77-10 CONS # 63
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/31 TIME 2: 3:59 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.58	31.19	24.37	1476.
10	7.57	31.20	24.38	1476.
20	7.61	31.24	24.40	1477.
30	7.61	31.16	24.35	1477.
50	7.61	31.16	24.34	1477.
75	7.61	31.04	24.25	1477.
100	7.62	31.03	24.24	1478.
125	7.64	31.08	24.28	1478.

STATION J14A CRUISE 77-10 CONS # 65
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/31 TIME 3: 1:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.60	31.29	24.45	1477.
10	7.59	31.24	24.41	1477.
20	7.60	31.25	24.41	1477.
30	7.59	31.22	24.39	1477.
50	7.61	31.20	24.37	1477.
75	7.63	31.15	24.34	1478.
100	7.66	31.14	24.32	1478.
125	7.74	31.26	24.40	1479.

STATION J14A CRUISE 77-10 CONS # 66
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/31 TIME 4: 3:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.58	27.85	21.75	1472.
10	7.61	31.18	24.36	1477.
20	7.68	31.33	24.46	1477.
30	7.69	31.38	24.51	1477.
50	7.71	31.38	24.50	1478.
75	7.71	31.45	24.56	1478.
100	7.74	31.42	24.53	1479.
125	7.77	31.55	24.62	1480.

STATION J14A CRUISE 77-10 CONS # 67
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/31 TIME 5: 0:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.57	31.26	24.43	1476.
10	7.60	31.30	24.46	1477.
20	7.63	31.34	24.48	1477.
30	7.70	31.51	24.60	1478.
50	7.73	31.60	24.67	1478.
75	7.75	31.61	24.68	1479.
100	7.78	31.67	24.72	1479.

STATION J14A CRUISE 77-10 CONS # 68
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/31 TIME 6: 0: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.53	30.96	24.20	1476.
10	7.54	31.06	24.27	1476.
20	7.54	31.10	24.31	1476.
30	7.54	31.15	24.34	1477.
50	7.58	31.24	24.41	1477.
75	7.60	31.27	24.43	1478.
100	7.62	31.29	24.45	1478.
125	7.64	31.26	24.42	1479.

STATION J14A CRUISE 77-10 CONS # 70
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/31 TIME 7:16:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.57	30.50	23.83	1475.
10	7.57	30.95	24.18	1476.
20	7.58	31.01	24.23	1476.
30	7.58	31.07	24.27	1477.
50	7.60	31.16	24.34	1477.
75	7.67	31.30	24.45	1478.
100	7.69	31.36	24.49	1479.
125	7.74	31.45	24.56	1479.

STATION J14A CRUISE 77-10 CONS # 71
 POSITION 50-36.4N 126-50.0W
 DATE 77/ 1/31 TIME 8:00:59 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.52	30.87	24.13	1476.
10	7.54	30.40	23.75	1475.
20	7.55	30.40	23.76	1476.
30	7.56	30.48	23.82	1476.
50	7.58	30.56	23.87	1476.
75	7.64	30.64	23.93	1477.
100	7.69	30.72	23.99	1478.
125	7.73	30.82	24.06	1478.

STATION J 8 CRUISE 77-10 CONS # 77
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 1/31 TIME 18:59: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.68	30.51	23.83	1476.
10	7.64	30.60	23.90	1476.
20	7.65	30.65	23.94	1476.
30	7.65	30.67	23.95	1476.
50	7.66	30.76	24.02	1477.
75	7.65	30.80	24.06	1477.
100	7.68	30.82	24.07	1478.
125	7.72	30.94	24.15	1479.
150	7.75	30.98	24.18	1479.
175	7.76	30.99	24.19	1480.
200	7.77	31.03	24.22	1480.
225	7.78	31.12	24.29	1481.

STATION J 8 CRUISE 77-10 CONS # 81
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 1/31 TIME 21:59:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	30.49	23.81	1476.
10	7.66	30.59	23.89	1476.
20	7.67	30.59	23.89	1476.
30	7.67	30.57	23.87	1476.
50	7.68	30.62	23.91	1477.
75	7.72	30.90	24.12	1478.
100	7.74	30.94	24.15	1478.
125	7.75	30.96	24.17	1479.
150	7.76	31.08	24.26	1479.
175	7.77	31.07	24.25	1480.
200	7.75	31.11	24.29	1480.
225	7.78	31.14	24.30	1481.
250	7.77	31.14	24.31	1481.

STATION J 8 CRUISE 77-10 CONS # 84
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 2/ 1 TIME 1: 0:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.64	30.59	23.89	1476.
10	7.66	30.62	23.91	1476.
20	7.68	30.78	24.03	1477.
30	7.69	30.90	24.13	1477.
50	7.73	31.04	24.23	1478.
75	7.73	31.12	24.29	1478.
100	7.75	31.14	24.31	1479.
125	7.74	31.20	24.35	1479.
150	7.77	31.21	24.36	1480.
175	7.76	31.22	24.37	1480.
200	7.78	31.20	24.35	1480.
225	7.77	31.21	24.36	1481.
250	7.76	31.22	24.37	1481.

STATION J 8 CRUISE 77-10 CONS # 87
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 2/ 1 TIME 3:58:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.62	30.56	23.87	1476.
10	7.64	30.63	23.92	1476.
20	7.65	30.65	23.94	1476.
30	7.67	30.70	23.98	1477.
50	7.71	30.83	24.07	1477.
75	7.74	30.96	24.17	1478.
100	7.74	31.03	24.22	1478.
125	7.75	31.07	24.25	1479.
150	7.76	31.06	24.24	1479.
175	7.73	31.08	24.26	1480.
200	7.76	31.06	24.24	1480.
225	7.76	31.07	24.25	1481.
250	7.75	31.07	24.26	1481.

STATION J 8 CRUISE 77-10 CONS # 91
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 2/ 1 TIME 7: 3:15 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.61	30.53	23.85	1476.
10	7.63	30.57	23.88	1476.
20	7.65	30.62	23.91	1476.
30	7.66	30.64	23.93	1476.
50	7.69	30.69	23.96	1477.
75	7.71	30.83	24.07	1478.
100	7.71	30.80	24.04	1478.
125	7.71	30.85	24.08	1478.
150	7.73	30.96	24.17	1479.
175	7.75	31.06	24.25	1480.
200	7.75	31.10	24.27	1480.
225	7.76	31.10	24.27	1481.
250	7.77	31.08	24.26	1481.

STATION J 7N CRUISE 77-10 CONS # 79
 POSITION 50-27.8N 126- 1.4W
 DATE 77/ 1/31 TIME 19:58:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.64	30.55	23.86	1476.
10	7.62	30.53	23.84	1476.
20	7.63	30.56	23.87	1476.
30	7.64	30.54	23.86	1476.
50	7.64	30.58	23.89	1477.
75	7.64	30.63	23.92	1477.
100	7.67	30.60	23.90	1478.
125	7.68	30.60	23.89	1478.
150	7.75	31.01	24.21	1479.
175	7.75	31.05	24.24	1480.
200	7.75	31.03	24.22	1480.
225	7.77	31.05	24.23	1481.

STATION J 7N CRUISE 77-10 CONS # 82
 POSITION 50-27.8N 126- 1.4W
 DATE 77/ 1/31 TIME 22:59: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.61	30.42	23.76	1475.
10	7.63	30.47	23.80	1476.
20	7.63	30.49	23.81	1476.
30	7.64	30.46	23.79	1476.
50	7.66	30.48	23.80	1477.
75	7.68	30.67	23.95	1477.
100	7.71	30.95	24.16	1478.
125	7.75	30.97	24.18	1479.
150	7.77	31.04	24.23	1479.
175	7.76	31.08	24.26	1480.
200	7.77	31.07	24.25	1480.
225	7.78	31.11	24.28	1481.

STATION J 7N CRUISE 77-10 CONS # 85
 POSITION 50-27.7N 126- 1.4W
 DATE 77/ 2/ 1 TIME 2: 0:53 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.61	30.58	23.89	1476.
10	7.61	30.57	23.88	1476.
20	7.62	30.64	23.93	1476.
30	7.66	30.72	23.99	1477.
50	7.70	30.89	24.12	1477.
75	7.73	30.96	24.17	1478.
100	7.74	31.02	24.22	1478.
125	7.75	31.09	24.27	1479.
150	7.77	31.12	24.29	1479.
175	7.76	31.14	24.30	1480.
200	7.77	31.15	24.31	1480.
225	7.78	31.14	24.31	1481.

STATION J 7N CRUISE 77-10 CONS # 88
 POSITION 50-27.7N 126- 1.4W
 DATE 77/ 2/ 1 TIME 5: 0: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	30.59	23.89	1476.
10	7.66	30.71	23.99	1476.
20	7.66	30.71	23.98	1476.
30	7.65	30.70	23.98	1476.
50	7.69	30.69	23.97	1477.
75	7.72	30.78	24.03	1478.
100	7.76	31.01	24.20	1478.
125	7.76	31.04	24.23	1479.
150	7.77	31.03	24.21	1479.
175	7.76	31.05	24.24	1480.
200	7.77	31.12	24.29	1480.

STATION J 7S CRUISE 77-10 CONS # 80
 POSITION 50-26.9N 126- 2.1W
 DATE 77/ 1/31 TIME 21: 4:51 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.62	30.24	23.62	1475.
10	7.63	30.44	23.78	1476.
20	7.63	30.48	23.81	1476.
30	7.65	30.59	23.89	1476.
50	7.67	30.77	24.03	1477.
75	7.72	30.85	24.09	1478.
100	7.75	30.93	24.14	1478.
125	7.76	30.93	24.14	1479.

STATION J7 S CRUISE 77-10 CONS # 83
 POSITION 50-26.9N 126- 2.1W
 DATE 77/ 2/ 1 TIME 0: 4:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.65	30.64	23.93	1476.
10	7.65	30.62	23.91	1476.
20	7.65	30.60	23.90	1476.
30	7.65	30.63	23.93	1476.
50	7.70	30.89	24.12	1477.
75	7.75	31.13	24.30	1478.
100	7.76	31.24	24.38	1479.
125	7.77	31.20	24.35	1479.

STATION J7 S CRUISE 77-10 CONS # 86
 POSITION 50-26.9N 126- 2.1W
 DATE 77/ 2/ 1 TIME 2:58:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.64	30.54	23.85	1476.
10	7.65	30.55	23.86	1476.
20	7.66	30.59	23.89	1476.
30	7.67	30.64	23.93	1476.
50	7.69	30.82	24.06	1477.
75	7.74	31.07	24.25	1478.
100	7.74	31.12	24.29	1479.

STATION J 7S CRUISE 77-10 CONS # 90
 POSITION 50-26.9N 126- 2.1W
 DATE 77/ 2/ 1 TIME 6: 5: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.75	30.65	23.93	1476.
10	7.66	30.66	23.95	1476.
20	7.68	30.76	24.02	1477.
30	7.68	30.76	24.02	1477.
50	7.73	30.98	24.19	1477.
75	7.74	31.03	24.22	1478.

STATION J 13 CRUISE 77-11 CONS # 20
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 3 TIME 20: 8:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.45	30.36	23.73	1475.
10	7.47	30.49	23.84	1475.
20	7.48	30.47	23.82	1475.
30	7.49	30.48	23.83	1476.
50	7.51	30.63	23.94	1476.
75	7.58	30.73	24.01	1477.
100	7.60	30.80	24.06	1478.
125	7.61	30.82	24.08	1478.
150	7.62	30.86	24.11	1478.
175	7.63	30.89	24.13	1479.
200	7.67	30.97	24.18	1480.
225	7.67	30.98	24.19	1480.
250	7.68	30.99	24.20	1481.
275	7.68	30.99	24.20	1481.
300	7.68	31.05	24.24	1481.
325	7.68	31.07	24.26	1482.
350	7.68	31.09	24.28	1482.
375	7.68	31.02	24.22	1483.
400	7.68	31.05	24.25	1483.
425	7.68	30.12	23.52	1482.
450	7.69	30.98	24.19	1484.

STATION J 13 CRUISE 77-11 CONS # 21
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 3 TIME 21: 5:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.50	30.44	23.79	1475.
10	7.52	30.46	23.81	1475.
20	7.51	30.55	23.88	1476.
30	7.50	30.59	23.91	1476.
50	7.53	30.60	23.92	1476.
75	7.59	30.76	24.04	1477.
100	7.61	30.82	24.08	1478.
125	7.62	30.88	24.12	1478.
150	7.63	30.89	24.13	1479.
175	7.64	30.92	24.15	1479.
200	7.65	30.95	24.17	1480.
225	7.65	30.97	24.19	1480.
250	7.66	31.00	24.21	1480.
275	7.67	31.03	24.23	1481.
300	7.68	31.05	24.25	1481.
325	7.68	31.07	24.26	1482.
350	7.69	31.09	24.28	1482.
375	7.69	31.12	24.30	1483.
400	7.70	31.15	24.32	1483.
425	7.70	31.15	24.32	1484.

STATION J 13 CRUISE 77-11 CONS # 22
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 3 TIME 22: 4: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.58	30.30	23.67	1475.
10	7.58	30.48	23.81	1476.
20	7.57	30.54	23.86	1476.
30	7.58	30.62	23.92	1476.
50	7.60	30.67	23.96	1477.
75	7.62	30.77	24.03	1477.
100	7.63	30.80	24.06	1478.
125	7.65	30.88	24.12	1478.
150	7.65	30.91	24.14	1479.
175	7.66	30.92	24.15	1479.
200	7.66	30.94	24.16	1480.
225	7.66	30.96	24.18	1480.
250	7.69	31.04	24.24	1481.
275	7.69	31.04	24.24	1481.
300	7.71	31.10	24.28	1482.
325	7.71	31.11	24.29	1482.
350	7.71	31.12	24.30	1482.
375	7.71	31.13	24.31	1483.
400	7.70	31.18	24.34	1483.
425	7.71	31.16	24.33	1484.
450	7.71	31.18	24.35	1484.

STATION J 13 CRUISE 77-11 CONS # 24
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 3 TIME 23:23:10 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.59	30.61	23.92	1476.
10	7.59	30.68	23.97	1476.
20	7.59	30.84	24.09	1476.
30	7.60	30.87	24.12	1476.
50	7.63	30.89	24.13	1477.
75	7.64	30.96	24.18	1478.
100	7.64	30.97	24.19	1478.
125	7.67	31.02	24.23	1478.
150	7.67	31.06	24.25	1479.
175	7.68	31.06	24.26	1479.
200	7.68	31.09	24.28	1480.
225	7.68	31.09	24.28	1480.
250	7.68	31.08	24.27	1481.
275	7.68	31.12	24.31	1481.
300	7.70	31.18	24.35	1482.
325	7.69	31.21	24.37	1482.
350	7.69	31.29	24.43	1483.
375	7.71	31.29	24.43	1483.
400	7.72	31.30	24.44	1484.
425	7.71	31.31	24.45	1484.

STATION J 13 CRUISE 77-11 CONS # 25
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 4 TIME 0:25:33 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.65	30.83	24.08	1476.
10	7.63	30.95	24.17	1476.
20	7.60	30.99	24.21	1476.
30	7.61	30.98	24.20	1477.
50	7.62	30.98	24.20	1477.
75	7.64	30.95	24.17	1477.
100	7.65	30.96	24.18	1478.
125	7.65	30.96	24.18	1478.
150	7.66	30.98	24.19	1479.
175	7.65	30.99	24.20	1479.
200	7.66	30.99	24.20	1480.
225	7.67	31.03	24.23	1480.
250	7.68	31.08	24.27	1481.
275	7.67	31.18	24.35	1481.
300	7.68	31.20	24.36	1482.
325	7.69	31.21	24.37	1482.
350	7.69	31.20	24.36	1482.
375	7.68	31.20	24.36	1483.
400	7.68	31.21	24.37	1483.
425	7.68	31.23	24.39	1484.

STATION J 13 CRUISE 77-11 CONS # 26
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 4 TIME 1:32:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.60	30.63	23.93	1476.
10	7.62	30.71	23.99	1476.
20	7.59	30.73	24.01	1476.
30	7.60	30.75	24.02	1476.
50	7.61	30.83	24.09	1477.
75	7.63	30.82	24.07	1477.
100	7.65	30.97	24.19	1478.
125	7.63	30.87	24.12	1478.
150	7.66	31.00	24.21	1479.
175	7.67	31.03	24.24	1479.
200	7.68	31.05	24.25	1480.
225	7.68	31.07	24.27	1480.
250	7.68	31.09	24.28	1481.
275	7.68	31.11	24.30	1481.
300	7.68	31.13	24.31	1482.
325	7.70	31.16	24.33	1482.
350	7.70	31.24	24.39	1483.
375	7.69	31.20	24.36	1483.
400	7.70	31.27	24.42	1483.
425	7.70	31.27	24.41	1484.

STATION J 13 CRUISE 77-11 CONS # 28
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 4 TIME 3:17:59 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.56	30.52	23.85	1475.
10	7.59	30.59	23.90	1476.
20	7.60	30.64	23.94	1476.
30	7.60	30.67	23.96	1476.
50	7.62	30.77	24.04	1477.
75	7.63	30.82	24.07	1477.
100	7.64	30.94	24.17	1478.
125	7.65	30.94	24.17	1478.
150	7.65	30.94	24.17	1479.
175	7.65	30.96	24.18	1479.
200	7.66	30.99	24.21	1480.
225	7.67	31.01	24.22	1480.
250	7.68	31.05	24.25	1481.
275	7.68	31.05	24.24	1481.
300	7.67	31.08	24.27	1481.
325	7.69	31.14	24.31	1482.
350	7.69	31.17	24.34	1482.
375	7.69	31.19	24.36	1483.
400	7.69	31.21	24.37	1483.
425	7.70	31.22	24.38	1484.
450	7.71	31.22	24.37	1484.

STATION J 13 CRUISE 77-11 CONS # 29
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 4 TIME 4:13:29 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.56	30.51	23.84	1475.
10	7.57	30.55	23.87	1476.
20	7.58	30.69	23.98	1476.
30	7.58	30.78	24.05	1476.
50	7.60	30.80	24.06	1477.
75	7.61	30.80	24.06	1477.
100	7.63	30.88	24.12	1478.
125	7.64	30.93	24.16	1478.
150	7.66	30.98	24.19	1479.
175	7.66	31.00	24.21	1479.
200	7.67	31.02	24.23	1480.
225	7.67	31.06	24.26	1480.
250	7.68	31.08	24.27	1481.
275	7.68	31.13	24.31	1481.
300	7.69	31.17	24.34	1482.
325	7.70	31.20	24.36	1482.
350	7.70	31.21	24.37	1483.
375	7.71	31.21	24.37	1483.
400	7.71	31.24	24.39	1483.
425	7.70	31.26	24.41	1484.

STATION J 13 CRUISE 77-11 CONS # 30
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 4 TIME 5:28:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.60	30.54	23.86	1476.
10	7.61	30.68	23.96	1476.
20	7.58	30.76	24.03	1476.
30	7.59	30.79	24.05	1476.
50	7.60	30.82	24.08	1477.
75	7.64	30.92	24.15	1477.
100	7.65	30.95	24.17	1478.
125	7.65	30.96	24.18	1478.
150	7.66	30.96	24.18	1479.
175	7.67	30.97	24.19	1479.
200	7.67	31.00	24.21	1480.
225	7.67	31.01	24.21	1480.
250	7.68	31.06	24.26	1481.
275	7.68	31.09	24.28	1481.
300	7.70	31.17	24.34	1482.
325	7.70	31.19	24.35	1482.
350	7.69	31.19	24.36	1482.
375	7.70	31.20	24.36	1483.
400	7.70	31.23	24.39	1483.
425	7.71	31.28	24.42	1484.

STATION J 13 CRUISE 77-11 CONS # 31
 POSITION 50-33.3N 126-47.0W
 DATE 77/ 3/ 4 TIME 6:48:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.59	30.52	23.84	1475.
10	7.61	30.66	23.95	1476.
20	7.60	30.75	24.02	1476.
30	7.60	30.85	24.10	1476.
50	7.62	30.88	24.13	1477.
75	7.64	30.92	24.15	1477.
100	7.65	30.93	24.16	1478.
125	7.66	30.96	24.18	1478.
150	7.67	30.98	24.20	1479.
175	7.68	31.00	24.21	1479.
200	7.68	31.04	24.24	1480.
225	7.68	31.04	24.24	1480.
250	7.68	31.06	24.26	1481.
275	7.68	31.09	24.28	1481.
300	7.68	31.12	24.30	1482.
325	7.69	31.16	24.33	1482.
350	7.70	31.21	24.37	1483.
375	7.69	31.18	24.35	1483.
400	7.71	31.24	24.39	1483.
425	7.71	31.26	24.41	1484.

STATION QST1 CRUISE 77-11 CONS # 33
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 4 TIME 17: 5:55 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.56	30.96	24.19	1476.
10	7.55	31.06	24.27	1476.
20	7.52	31.12	24.32	1476.
30	7.58	31.13	24.32	1477.
50	7.69	31.34	24.47	1478.
75	7.71	31.40	24.52	1478.
100	7.87	31.48	24.56	1479.
125	7.85	31.57	24.63	1480.
150	7.90	31.66	24.69	1481.
175	7.98	31.78	24.78	1482.

STATION QST1 CRUISE 77-11 CONS # 34
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 4 TIME 17:57:25 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.53	30.87	24.13	1476.
10	7.53	31.09	24.30	1476.
20	7.52	31.07	24.29	1476.
30	7.54	31.16	24.35	1477.
50	7.69	31.43	24.54	1478.
75	7.73	31.43	24.54	1478.
100	7.82	31.50	24.58	1479.
125	7.84	31.58	24.64	1480.
150	7.85	31.64	24.69	1480.
175	7.96	31.77	24.77	1481.

STATION QST1 CRUISE 77-11 CONS # 36
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 4 TIME 19: 0:36 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.51	31.08	24.30	1476.
10	7.50	31.09	24.30	1476.
20	7.49	31.13	24.33	1476.
30	7.54	31.15	24.34	1477.
50	7.64	31.37	24.50	1478.
75	7.72	31.49	24.59	1478.
100	7.84	31.58	24.64	1479.
125	7.87	31.63	24.67	1480.
150	7.93	31.77	24.77	1481.
175	7.96	31.82	24.81	1481.

STATION QST1 CRUISE 77-11 CONS # 37
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 4 TIME 20: 3:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.58	31.00	24.22	1476.
10	7.57	31.00	24.22	1476.
20	7.57	31.06	24.27	1476.
30	7.58	31.12	24.32	1477.
50	7.73	31.36	24.48	1478.
75	7.78	31.49	24.58	1479.
100	7.85	31.55	24.62	1479.
125	7.92	31.67	24.70	1480.
150	7.95	31.69	24.71	1481.
175	7.98	31.81	24.80	1482.

STATION QST1 CRUISE 77-11 CONS # 38
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 4 TIME 20:58:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.59	31.01	24.23	1476.
10	7.59	31.02	24.23	1476.
20	7.59	31.03	24.25	1476.
30	7.63	31.08	24.28	1477.
50	7.70	31.31	24.44	1478.
75	7.79	31.51	24.60	1479.
100	7.82	31.56	24.63	1479.
125	7.87	31.64	24.68	1480.
150	7.95	31.73	24.74	1481.
175	7.98	31.80	24.79	1482.

STATION QST1 CRUISE 77-11 CONS # 39
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 4 TIME 22: 2:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.56	31.12	24.32	1476.
10	7.55	31.14	24.34	1476.
20	7.60	31.13	24.32	1477.
30	7.63	31.34	24.48	1477.
50	7.67	31.48	24.59	1478.
75	7.76	31.57	24.65	1479.
100	7.79	31.56	24.63	1479.
125	7.89	31.62	24.67	1480.
150	7.92	31.72	24.74	1481.
175	7.98	31.85	24.83	1482.

STATION QST1 CRUISE 77-11 CONS # 41
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 4 TIME 23: 0:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.56	31.11	24.31	1476.
10	7.55	31.13	24.33	1476.
20	7.55	31.20	24.38	1477.
30	7.54	31.20	24.39	1477.
50	7.61	31.30	24.45	1477.
75	7.71	31.48	24.58	1478.
100	7.78	31.51	24.60	1479.
125	7.89	31.59	24.64	1480.
150	7.91	31.68	24.70	1481.
175	7.98	31.84	24.82	1482.

STATION QST1 CRUISE 77-11 CONS # 42
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 4 TIME 23:58:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.54	31.05	24.26	1476.
10	7.55	31.15	24.34	1476.
20	7.55	31.20	24.39	1477.
30	7.58	31.24	24.41	1477.
50	7.61	31.29	24.44	1477.
75	7.69	31.48	24.58	1478.
100	7.77	31.56	24.64	1479.
125	7.79	31.57	24.64	1480.
150	7.87	31.68	24.72	1481.
175	7.95	31.81	24.81	1481.

STATION QST1 CRUISE 77-11 CONS # 43
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 5 TIME 1: 1:26 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.58	31.00	24.22	1476.
10	7.52	31.07	24.28	1476.
20	7.52	31.16	24.36	1476.
30	7.54	31.22	24.40	1477.
50	7.59	31.27	24.43	1477.
75	7.70	31.32	24.46	1478.
100	7.88	31.50	24.57	1480.
125	7.87	31.55	24.62	1480.
150	7.91	31.70	24.72	1481.
175	7.98	31.80	24.79	1482.

STATION QST1 CRUISE 77-11 CONS # 44
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 5 TIME 2: 2:29 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.50	31.10	24.31	1476.
10	7.49	31.10	24.31	1476.
20	7.52	31.15	24.35	1476.
30	7.58	31.23	24.40	1477.
50	7.58	31.27	24.43	1477.
75	7.70	31.46	24.56	1478.
100	7.85	31.52	24.59	1479.
125	7.85	31.59	24.65	1480.
150	7.94	31.79	24.79	1481.
175	8.00	31.89	24.86	1482.

STATION QST1 CRUISE 77-11 CONS # 46
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 5 TIME 3: 0:29 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	31.03	24.24	1477.
10	7.52	31.13	24.33	1476.
20	7.53	31.15	24.35	1476.
30	7.56	31.19	24.37	1477.
50	7.58	31.24	24.41	1477.
75	7.70	31.45	24.56	1478.
100	7.83	31.51	24.59	1479.
125	7.85	31.59	24.65	1480.
150	7.98	31.87	24.85	1481.
175	8.00	31.91	24.87	1482.

STATION QST1 CRUISE 77-11 CONS # 47
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 5 TIME 4: 3:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.56	31.11	24.31	1476.
10	7.55	31.14	24.33	1476.
20	7.56	31.20	24.38	1477.
30	7.62	31.25	24.41	1477.
50	7.65	31.30	24.44	1478.
75	7.73	31.47	24.57	1479.
100	7.80	31.47	24.56	1479.
125	7.87	31.60	24.65	1480.
150	7.99	31.89	24.86	1481.
175	8.01	31.91	24.87	1482.

STATION QST1 CRUISE 77-11 CONS # 48
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 5 TIME 4:59:36 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.61	31.10	24.29	1476.
10	7.60	31.13	24.32	1477.
20	7.64	31.17	24.34	1477.
30	7.67	31.20	24.37	1477.
50	7.69	31.30	24.44	1478.
75	7.78	31.41	24.51	1479.
100	7.88	31.50	24.57	1480.
125	7.89	31.63	24.67	1480.
150	8.02	31.86	24.83	1481.
175	8.03	31.89	24.86	1482.

STATION QST1 CRUISE 77-11 CONS # 49
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 5 TIME 5:56: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.65	31.04	24.24	1476.
10	7.64	31.11	24.30	1477.
20	7.63	31.20	24.37	1477.
30	7.63	31.14	24.33	1477.
50	7.69	31.28	24.43	1478.
75	7.77	31.33	24.45	1478.
100	7.79	31.39	24.49	1479.
125	7.90	31.45	24.53	1480.
150	7.94	31.64	24.67	1481.
175	8.01	31.81	24.80	1482.

STATION QST1 CRUISE 77-11 CONS # 51
 POSITION 50-41.9N 126-55.5W
 DATE 77/ 3/ 5 TIME 6:58:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.62	31.15	24.33	1476.
10	7.59	31.21	24.39	1477.
20	7.60	31.21	24.38	1477.
30	7.65	31.33	24.47	1477.
50	7.69	31.42	24.54	1478.
75	7.75	31.45	24.55	1479.
100	7.86	31.53	24.60	1479.
125	7.90	31.63	24.67	1480.
150	7.95	31.72	24.73	1481.
175	8.00	31.85	24.83	1482.

STATION J 8 CRUISE 77-11 CONS # 66
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 2:44: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.61	30.36	23.71	1475.
10	7.63	30.38	23.73	1476.
20	7.67	30.46	23.79	1476.
30	7.70	30.48	23.80	1476.
50	7.69	30.50	23.82	1477.
75	7.70	30.61	23.90	1477.
100	7.71	30.69	23.96	1478.
125	7.71	30.73	23.99	1478.
150	7.72	30.80	24.05	1479.
175	7.73	30.88	24.11	1479.
200	7.73	30.92	24.13	1480.
225	7.73	30.94	24.16	1480.

STATION J 8 CRUISE 77-11 CONS # 68
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 4: 4:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.61	30.41	23.76	1475.
10	7.63	30.46	23.79	1476.
20	7.65	30.53	23.84	1476.
30	7.66	30.61	23.91	1476.
50	7.68	30.66	23.94	1477.
75	7.68	30.78	24.03	1477.
100	7.70	30.85	24.09	1478.
125	7.71	30.91	24.13	1479.
150	7.71	30.98	24.18	1479.
175	7.72	30.97	24.18	1479.
200	7.73	31.04	24.23	1480.
225	7.73	31.07	24.25	1480.
250	7.74	31.10	24.28	1481.

STATION J 8 CRUISE 77-11 CONS # 69
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 5: 0: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.61	30.48	23.81	1476.
10	7.62	30.49	23.82	1476.
20	7.67	30.61	23.91	1476.
30	7.67	30.67	23.95	1477.
50	7.68	30.79	24.04	1477.
75	7.70	30.82	24.06	1478.
100	7.71	30.86	24.09	1478.
125	7.72	30.89	24.12	1479.
150	7.71	30.92	24.14	1479.
175	7.73	30.97	24.18	1479.
200	7.73	31.02	24.21	1480.
225	7.74	31.02	24.22	1480.

STATION J 8 CRUISE 77-11 CONS # 70
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 6: 1:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.68	30.40	23.74	1476.
10	7.68	30.41	23.74	1476.
20	7.69	30.44	23.76	1476.
30	7.68	30.47	23.80	1476.
50	7.71	30.64	23.92	1477.
75	7.72	30.76	24.01	1478.
100	7.72	30.84	24.08	1478.
125	7.73	30.85	24.08	1479.
150	7.73	30.88	24.11	1479.
175	7.74	30.93	24.14	1479.
200	7.74	30.96	24.17	1480.
225	7.74	30.97	24.18	1480.

STATION J 8 CRUISE 77-11 CONS # 71
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 7: 8:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	30.15	23.55	1475.
10	7.66	30.32	23.68	1476.
20	7.67	30.36	23.71	1476.
30	7.68	30.37	23.71	1476.
50	7.70	30.43	23.76	1477.
75	7.70	30.64	23.92	1477.
100	7.72	30.66	23.93	1478.
125	7.72	30.72	23.98	1478.
150	7.74	30.78	24.03	1479.
175	7.74	30.81	24.05	1479.
200	7.74	30.84	24.07	1480.
225	7.74	30.85	24.08	1480.

STATION J 8 CRUISE 77-11 CONS # 73
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 8: 7: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.59	30.00	23.44	1475.
10	7.60	30.16	23.56	1475.
20	7.68	30.44	23.77	1476.
30	7.69	30.49	23.80	1476.
50	7.72	30.56	23.85	1477.
75	7.73	30.64	23.92	1477.
100	7.72	30.72	23.98	1478.
125	7.73	30.73	23.99	1478.
150	7.73	30.82	24.06	1479.
175	7.73	30.85	24.08	1479.
200	7.73	30.88	24.11	1480.
225	7.73	30.95	24.16	1480.
250	7.74	31.02	24.22	1481.

STATION J 8 CRUISE 77-11 CONS # 74
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 11: 0:22 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.66	30.51	23.83	1476.
10	7.66	30.56	23.87	1476.
20	7.66	30.60	23.90	1476.
30	7.67	30.66	23.94	1476.
50	7.71	30.66	23.94	1477.
75	7.71	30.71	23.98	1477.
100	7.71	30.71	23.98	1478.
125	7.71	30.74	24.00	1478.
150	7.72	30.77	24.02	1479.

STATION J 8 CRUISE 77-11 CONS # 75
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 11: 8:22 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.78	30.51	23.81	1476.
10	7.69	30.56	23.86	1476.
20	7.69	30.54	23.85	1476.
30	7.69	30.57	23.87	1476.
50	7.69	30.59	23.88	1477.
75	7.72	30.62	23.91	1477.
100	7.71	30.72	23.98	1478.
125	7.71	30.74	24.00	1478.
150	7.72	30.75	24.00	1479.
175	7.72	30.79	24.04	1479.
200	7.73	30.88	24.11	1480.
225	7.73	30.99	24.19	1480.
250	7.73	31.01	24.21	1481.

STATION J 8 CRUISE 77-11 CONS # 77
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 12:12:55 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.66	30.56	23.86	1476.
10	7.69	30.52	23.83	1476.
20	7.71	30.56	23.86	1476.
30	7.71	30.58	23.87	1477.
50	7.71	30.60	23.89	1477.
75	7.71	30.64	23.92	1477.
100	7.72	30.81	24.05	1478.
125	7.72	30.85	24.09	1479.
150	7.73	30.90	24.13	1479.
175	7.73	30.99	24.19	1480.
200	7.73	31.02	24.22	1480.
225	7.73	31.06	24.24	1480.
250	7.74	31.10	24.27	1481.

STATION J 8 CRUISE 77-11 CONS # 78
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 13: 7:33 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.70	30.52	23.83	1476.
10	7.70	30.55	23.85	1476.
20	7.69	30.62	23.91	1476.
30	7.69	30.64	23.92	1477.
50	7.70	30.64	23.92	1477.
75	7.70	30.72	23.98	1477.
100	7.70	30.75	24.01	1478.
125	7.71	30.79	24.04	1478.
150	7.72	30.83	24.07	1479.
175	7.73	30.98	24.19	1479.
200	7.73	30.99	24.20	1480.
225	7.72	31.06	24.25	1480.
250	7.73	31.10	24.28	1481.
275	7.74	31.11	24.29	1481.

STATION J 8 CRUISE 77-11 CONS # 79
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 14: 7:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.69	30.51	23.82	1476.
10	7.67	30.58	23.88	1476.
20	7.68	30.63	23.92	1476.
30	7.68	30.68	23.96	1477.
50	7.69	30.70	23.97	1477.
75	7.69	30.77	24.02	1477.
100	7.71	30.81	24.06	1478.
125	7.72	30.94	24.15	1479.
150	7.73	30.96	24.17	1479.
175	7.73	31.03	24.23	1480.
200	7.73	31.07	24.25	1480.
225	7.73	31.08	24.26	1480.
250	7.73	31.10	24.28	1481.

STATION J 8 CRUISE 77-11 CONS # 81
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 15: 5:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	30.57	23.87	1476.
10	7.68	30.62	23.91	1476.
20	7.68	30.65	23.94	1476.
30	7.67	30.68	23.96	1476.
50	7.69	30.74	24.00	1477.
75	7.71	30.77	24.02	1478.
100	7.71	30.83	24.07	1478.
125	7.73	30.92	24.14	1479.
150	7.72	30.94	24.16	1479.
175	7.72	30.99	24.19	1479.
200	7.73	31.02	24.22	1480.
225	7.73	31.10	24.28	1480.
250	7.73	31.13	24.30	1481.

STATION J 8 CRUISE 77-11 CONS # 82
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 16: 3:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.66	30.59	23.89	1476.
10	7.66	30.62	23.91	1476.
20	7.67	30.67	23.95	1476.
30	7.67	30.68	23.96	1477.
50	7.69	30.73	24.00	1477.
75	7.72	30.78	24.03	1478.
100	7.71	30.90	24.12	1478.
125	7.72	30.91	24.13	1479.
150	7.72	30.96	24.17	1479.
175	7.72	30.99	24.19	1479.
200	7.73	31.07	24.25	1480.
225	7.73	31.09	24.27	1480.
250	7.74	31.09	24.27	1481.

STATION J 8 CRUISE 77-11 CONS # 83
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 17: 0:22 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.69	30.53	23.84	1476.
10	7.69	30.55	23.85	1476.
20	7.68	30.58	23.88	1476.
30	7.70	30.71	23.98	1477.
50	7.71	30.77	24.02	1477.
75	7.72	30.85	24.08	1478.
100	7.72	30.90	24.13	1478.
125	7.73	30.94	24.16	1479.
150	7.73	30.97	24.18	1479.
175	7.74	31.03	24.23	1480.
200	7.74	31.07	24.26	1480.
225	7.74	31.08	24.26	1480.
250	7.73	31.09	24.27	1481.

STATION J 8 CRUISE 77-11 CONS # 84
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 18: 2:12 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.66	30.51	23.83	1476.
10	7.66	30.54	23.85	1476.
20	7.66	30.57	23.87	1476.
30	7.66	30.59	23.89	1476.
50	7.68	30.65	23.93	1477.
75	7.71	30.86	24.10	1478.
100	7.71	30.92	24.14	1478.
125	7.73	30.94	24.16	1479.
150	7.72	30.98	24.19	1479.
175	7.73	31.06	24.25	1480.
200	7.72	31.08	24.26	1480.
225	7.73	31.08	24.26	1480.
250	7.73	31.09	24.27	1481.

STATION J 8 CRUISE 77-11 CONS # 86
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 19: 1:57 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.68	30.58	23.88	1476.
10	7.66	30.60	23.90	1476.
20	7.66	30.61	23.90	1476.
30	7.66	30.63	23.92	1476.
50	7.69	30.70	23.97	1477.
75	7.70	30.77	24.03	1477.
100	7.70	30.80	24.05	1478.
125	7.71	30.85	24.09	1478.
150	7.72	30.94	24.15	1479.
175	7.72	31.00	24.20	1479.
200	7.73	31.04	24.23	1480.
225	7.73	31.06	24.25	1480.
250	7.73	31.06	24.25	1481.

STATION J 8 CRUISE 77-11 CONS # 87
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 20: 5:48 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.72	30.58	23.87	1476.
10	7.67	30.60	23.90	1476.
20	7.66	30.60	23.90	1476.
30	7.69	30.67	23.95	1477.
50	7.69	30.70	23.97	1477.
75	7.70	30.71	23.97	1477.
100	7.71	30.83	24.07	1478.
125	7.72	30.84	24.08	1478.
150	7.72	30.99	24.20	1479.
175	7.74	31.01	24.21	1480.
200	7.73	31.07	24.25	1480.
225	7.73	31.09	24.27	1480.
250	7.74	31.07	24.26	1481.

STATION J 8 CRUISE 77-11 CONS # 88
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 21:26:25 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	30.49	23.81	1476.
10	7.69	30.61	23.90	1476.
20	7.68	30.60	23.90	1476.
30	7.69	30.66	23.94	1477.
50	7.70	30.71	23.98	1477.
75	7.69	30.78	24.03	1477.
100	7.71	30.76	24.02	1478.
125	7.72	30.77	24.03	1478.
150	7.73	30.84	24.08	1479.
175	7.73	30.92	24.14	1479.
200	7.72	30.94	24.15	1480.
225	7.73	30.96	24.17	1480.
250	7.73	31.02	24.22	1481.

STATION J 8 CRUISE 77-11 CONS # 89
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 22: 2:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	30.53	23.84	1476.
10	7.67	30.54	23.85	1476.
20	7.68	30.59	23.89	1476.
30	7.68	30.60	23.89	1476.
50	7.69	30.64	23.92	1477.
75	7.70	30.72	23.99	1477.
100	7.70	30.76	24.02	1478.
125	7.71	30.78	24.04	1478.
150	7.72	30.83	24.07	1479.
175	7.72	30.83	24.07	1479.
200	7.73	30.89	24.11	1480.
225	7.72	30.94	24.15	1480.
250	7.72	31.03	24.22	1481.

STATION J 8 CRUISE 77-11 CONS # 91
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 6 TIME 23:10: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	30.44	23.77	1476.
10	7.68	30.47	23.79	1476.
20	7.68	30.48	23.80	1476.
30	7.69	30.56	23.86	1476.
50	7.70	30.64	23.92	1477.
75	7.69	30.69	23.97	1477.
100	7.70	30.74	24.00	1478.
125	7.71	30.82	24.06	1478.
150	7.72	30.86	24.09	1479.
175	7.73	30.95	24.16	1479.
200	7.73	30.99	24.19	1480.
225	7.73	31.04	24.23	1480.
250	7.73	31.04	24.23	1481.

STATION J 8 CRUISE 77-11 CONS # 92
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 0: 1:51 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.65	30.51	23.83	1476.
10	7.66	30.60	23.89	1476.
20	7.66	30.60	23.90	1476.
30	7.66	30.61	23.91	1476.
50	7.68	30.60	23.90	1477.
75	7.70	30.63	23.92	1477.
100	7.70	30.68	23.96	1478.
125	7.71	30.78	24.03	1478.
150	7.73	30.87	24.10	1479.
175	7.73	30.92	24.14	1479.
200	7.72	30.97	24.18	1480.
225	7.73	30.99	24.20	1480.

STATION J 8 CRUISE 77-11 CONS # 93
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 1: 0:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	7.65	30.56	23.87	1476.
10	7.65	30.55	23.86	1476.
20	7.65	30.56	23.87	1476.
30	7.67	30.58	23.88	1476.
50	7.69	30.63	23.92	1477.
75	7.69	30.83	24.07	1478.
100	7.71	30.86	24.10	1478.
125	7.71	30.89	24.12	1479.
150	7.72	30.93	24.15	1479.
175	7.72	30.97	24.18	1479.
200	7.72	31.01	24.21	1480.
225	7.73	31.05	24.24	1480.
250	7.74	31.06	24.25	1481.

STATION J 8 CRUISE 77-11 CONS # 94
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 1:59:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.65	30.57	23.88	1476.
10	7.65	30.57	23.87	1476.
20	7.67	30.59	23.89	1476.
30	7.68	30.63	23.92	1476.
50	7.67	30.65	23.93	1477.
75	7.68	30.77	24.03	1477.
100	7.70	30.78	24.03	1478.
125	7.71	30.84	24.08	1478.
150	7.72	30.94	24.15	1479.
175	7.73	31.05	24.24	1480.
200	7.73	31.06	24.25	1480.
225	7.73	31.08	24.26	1480.
250	7.73	31.08	24.26	1481.

STATION J 8 CRUISE 77-11 CONS # 96
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 3: 1: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.62	30.73	24.01	1476.
10	7.64	30.67	23.95	1476.
20	7.66	30.68	23.96	1476.
30	7.67	30.71	23.98	1477.
50	7.67	30.79	24.04	1477.
75	7.69	30.91	24.14	1478.
100	7.70	30.94	24.16	1478.
125	7.71	30.96	24.17	1479.
150	7.72	31.01	24.21	1479.
175	7.73	31.04	24.23	1480.
200	7.73	31.07	24.26	1480.

STATION J 8 CRUISE 77-11 CONS # 97
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 4: 3:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.63	30.59	23.90	1476.
10	7.62	30.58	23.88	1476.
20	7.66	30.68	23.96	1476.
30	7.67	30.72	23.99	1477.
50	7.68	30.73	24.00	1477.
75	7.68	30.83	24.07	1477.
100	7.70	30.84	24.08	1478.
125	7.70	30.93	24.15	1478.
150	7.71	30.96	24.17	1479.
175	7.72	31.03	24.23	1480.
200	7.73	31.03	24.22	1480.
225	7.73	31.07	24.25	1480.
250	7.73	31.11	24.28	1481.

STATION J 8 CRUISE 77-11 CONS # 98
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 5: 4:35 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.61	30.63	23.93	1476.
10	7.61	30.63	23.92	1476.
20	7.62	30.64	23.93	1476.
30	7.65	30.68	23.96	1476.
50	7.67	30.75	24.01	1477.
75	7.69	30.89	24.12	1478.
100	7.69	30.93	24.15	1478.
125	7.70	31.00	24.21	1479.
150	7.72	31.00	24.20	1479.
175	7.73	31.06	24.25	1480.
200	7.73	31.09	24.27	1480.
225	7.73	31.08	24.26	1480.
250	7.73	31.09	24.27	1481.

STATION J 8 CRUISE 77-11 CONS # 99
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 5:59:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.62	30.54	23.86	1476.
10	7.62	30.56	23.87	1476.
20	7.62	30.58	23.89	1476.
30	7.62	30.62	23.92	1476.
50	7.67	30.75	24.01	1477.
75	7.68	30.85	24.09	1478.
100	7.69	30.90	24.13	1478.
125	7.70	30.94	24.16	1479.
150	7.71	30.97	24.18	1479.
175	7.73	31.03	24.23	1480.
200	7.72	31.06	24.25	1480.
225	7.73	31.05	24.24	1480.
250	7.72	31.08	24.26	1481.

STATION J 8 CRUISE 77-11 CONS #101
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 7: 1:56 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.63	30.58	23.88	1476.
10	7.63	30.59	23.89	1476.
20	7.64	30.62	23.92	1476.
30	7.65	30.68	23.96	1476.
50	7.67	30.72	23.99	1477.
75	7.68	30.75	24.01	1477.
100	7.69	30.85	24.09	1478.
125	7.70	30.93	24.15	1478.
150	7.72	30.92	24.14	1479.
175	7.72	31.02	24.22	1479.
200	7.72	31.05	24.24	1480.
225	7.72	31.05	24.24	1480.
250	7.73	31.06	24.25	1481.

STATION J 8 CRUISE 77-11 CONS #102
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 8: 2:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.62	30.63	23.93	1476.
10	7.63	30.62	23.92	1476.
20	7.63	30.62	23.91	1476.
30	7.65	30.67	23.95	1476.
50	7.66	30.74	24.00	1477.
75	7.68	30.77	24.03	1477.
100	7.69	30.86	24.09	1478.
125	7.70	30.93	24.15	1479.
150	7.71	31.02	24.22	1479.
175	7.73	31.04	24.23	1480.
200	7.73	31.06	24.25	1480.
225	7.74	31.08	24.26	1480.
250	7.73	31.12	24.29	1481.

STATION J 8 CRUISE 77-11 CONS #103
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 9: 2:35 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.64	30.29	23.66	1475.
10	7.66	30.41	23.75	1476.
20	7.70	30.60	23.89	1476.
30	7.69	30.60	23.90	1477.
50	7.70	30.63	23.92	1477.
75	7.70	30.66	23.94	1477.
100	7.71	30.74	24.00	1478.
125	7.71	30.80	24.04	1478.
150	7.73	30.86	24.09	1479.
175	7.73	30.89	24.12	1479.
200	7.73	30.96	24.17	1480.
225	7.74	31.02	24.22	1480.
250	7.73	31.03	24.22	1481.

STATION J 8 CRUISE 77-11 CONS #104
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 10: 1:40 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.66	30.52	23.84	1476.
10	7.67	30.56	23.87	1476.
20	7.67	30.59	23.89	1476.
30	7.67	30.61	23.91	1476.
50	7.67	30.65	23.93	1477.
75	7.67	30.64	23.93	1477.
100	7.69	30.76	24.02	1478.
125	7.70	30.86	24.10	1478.
150	7.70	30.90	24.12	1479.
175	7.72	30.94	24.16	1479.
200	7.72	30.96	24.17	1480.
225	7.72	30.98	24.19	1480.
250	7.72	30.99	24.19	1481.

STATION J 8 CRUISE 77-11 CONS #106
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 11: 2:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	30.50	23.82	1476.
10	7.67	30.51	23.82	1476.
20	7.67	30.52	23.83	1476.
30	7.67	30.59	23.89	1476.
50	7.68	30.60	23.89	1477.
75	7.67	30.77	24.03	1477.
100	7.69	30.83	24.08	1478.
125	7.69	30.84	24.08	1478.
150	7.71	30.87	24.10	1479.
175	7.71	30.89	24.11	1479.
200	7.72	30.88	24.11	1480.
225	7.72	30.93	24.15	1480.
250	7.72	30.99	24.19	1481.

STATION J 8 CRUISE 77-11 CONS #107
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 12: 3:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.67	30.47	23.80	1476.
10	7.66	30.48	23.80	1476.
20	7.67	30.52	23.83	1476.
30	7.67	30.56	23.86	1476.
50	7.67	30.63	23.92	1477.
75	7.68	30.68	23.95	1477.
100	7.69	30.70	23.97	1478.
125	7.70	30.86	24.10	1478.
150	7.71	30.92	24.14	1479.
175	7.72	30.95	24.16	1479.
200	7.72	30.96	24.17	1480.
225	7.72	31.02	24.22	1480.
250	7.73	31.08	24.27	1481.

STATION J 8 CRUISE 77-11 CONS #108
 POSITION 50-27.5N 126- 3.4W
 DATE 77/ 3/ 7 TIME 16: 3:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	7.65	30.54	23.85	1476.
10	7.65	30.57	23.88	1476.
20	7.66	30.60	23.89	1476.
30	7.66	30.61	23.91	1476.
50	7.66	30.72	23.99	1477.
75	7.67	30.75	24.02	1477.
100	7.68	30.87	24.10	1478.
125	7.70	30.92	24.14	1478.
150	7.70	30.94	24.16	1479.
175	7.72	31.01	24.21	1479.
200	7.72	31.05	24.24	1480.
225	7.72	31.08	24.27	1480.
250	7.73	31.08	24.26	1481.

STATION J 6 CRUISE 77-12 CONS # 62
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 14:17:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.04	31.03	24.18	1478.
10	8.01	31.09	24.23	1478.
20	7.99	31.12	24.26	1478.
30	7.91	31.22	24.35	1478.
50	7.92	31.24	24.36	1479.
75	7.90	31.29	24.40	1479.
100	7.88	31.32	24.43	1479.
125	7.87	31.34	24.44	1480.
150	7.84	31.39	24.49	1480.
175	7.82	31.48	24.57	1480.

STATION J 6 CRUISE 77-12 CONS # 64
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 15: 0: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.17	30.91	24.07	1478.
10	8.09	31.00	24.15	1478.
20	8.05	31.03	24.18	1478.
30	8.00	31.07	24.22	1478.
50	7.97	31.16	24.29	1479.
75	7.90	31.27	24.39	1479.
100	7.91	31.27	24.39	1479.
125	7.91	31.29	24.40	1480.
150	7.90	31.31	24.42	1480.
175	7.84	31.43	24.52	1481.

STATION J 6 CRUISE 77-12 CONS # 66
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 16: 1:30 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.16	30.96	24.11	1478.
10	8.07	31.03	24.18	1478.
20	8.07	31.00	24.15	1478.
30	8.05	31.04	24.19	1478.
50	7.96	31.16	24.29	1479.
75	7.87	31.35	24.45	1479.
100	7.86	31.34	24.45	1479.
125	7.85	31.41	24.51	1480.
150	7.84	31.42	24.51	1480.
175	7.84	31.43	24.52	1480.
200	7.82	31.49	24.57	1481.

STATION J 6 CRUISE 77-12 CONS # 67
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 16:58:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.16	30.80	23.99	1478.
10	8.16	30.85	24.02	1478.
20	8.15	30.87	24.04	1478.
30	8.13	30.91	24.08	1479.
50	8.08	30.97	24.13	1479.
75	8.02	31.09	24.23	1479.
100	7.89	31.29	24.40	1479.
125	7.85	31.39	24.49	1480.
150	7.83	31.44	24.53	1480.
175	7.83	31.44	24.53	1480.
200	7.82	31.48	24.56	1481.

STATION J 6 CRUISE 77-12 CONS # 69
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 17:58:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.16	30.90	24.06	1478.
10	8.09	30.97	24.13	1478.
20	8.09	30.97	24.13	1478.
30	8.09	30.99	24.14	1479.
50	8.06	31.03	24.18	1479.
75	8.02	31.10	24.24	1479.
100	7.90	31.31	24.42	1479.
125	7.86	31.39	24.48	1480.
150	7.84	31.42	24.51	1480.
175	7.85	31.41	24.51	1481.
200	7.83	31.45	24.54	1481.

STATION J 6 CRUISE 77-12 CONS # 70
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 18:57:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.17	30.85	24.02	1478.
10	8.15	30.86	24.03	1478.
20	8.12	30.92	24.08	1478.
30	8.08	30.98	24.14	1479.
50	8.07	30.98	24.14	1479.
75	8.04	31.05	24.20	1479.
100	8.02	31.12	24.25	1480.
125	7.99	31.14	24.27	1480.
150	7.88	31.32	24.43	1480.
175	7.87	31.38	24.48	1481.
200	7.85	31.42	24.51	1481.

STATION J 6 CRUISE 77-12 CONS # 72
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 20: 1: 1 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.15	30.95	24.10	1478.
10	8.12	30.90	24.07	1478.
20	8.11	30.93	24.09	1478.
30	8.10	30.95	24.11	1479.
50	8.07	31.00	24.15	1479.
75	8.06	31.04	24.19	1479.
100	8.03	31.09	24.23	1480.
125	8.01	31.10	24.24	1480.
150	7.96	31.21	24.33	1480.
175	7.87	31.36	24.46	1481.

STATION J 6 CRUISE 77-12 CONS # 73
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 21: 2:22 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.12	30.89	24.06	1478.
10	8.11	30.91	24.07	1478.
20	8.10	30.92	24.09	1478.
30	8.08	30.98	24.14	1478.
50	8.07	31.01	24.16	1479.
75	7.95	31.21	24.34	1479.
100	7.93	31.25	24.37	1479.
125	7.91	31.29	24.40	1480.
150	7.86	31.38	24.48	1480.
175	7.86	31.40	24.50	1481.
200	7.86	31.39	24.49	1481.

STATION J 6 CRUISE 77-12 CONS # 75
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 22: 0:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.06	30.96	24.13	1478.
10	8.07	30.96	24.12	1478.
20	8.06	30.99	24.14	1478.
30	8.05	30.99	24.15	1478.
50	8.00	31.14	24.27	1479.
75	7.98	31.15	24.29	1479.
100	7.87	31.37	24.47	1479.
125	7.88	31.35	24.45	1480.
150	7.88	31.35	24.46	1480.
175	7.88	31.36	24.46	1481.
200	7.82	31.47	24.56	1481.

STATION J 6 CRUISE 77-12 CONS # 76
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/12 TIME 23: 3:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.07	30.98	24.13	1478.
10	8.07	31.00	24.16	1478.
20	8.06	31.00	24.16	1478.
30	8.05	31.03	24.18	1478.
50	7.96	31.20	24.33	1479.
75	7.86	31.37	24.47	1479.
100	7.85	31.39	24.49	1479.
125	7.84	31.43	24.52	1480.
150	7.85	31.40	24.50	1480.
175	7.83	31.46	24.55	1480.
200	7.84	31.47	24.55	1481.

STATION J 6 CRUISE 77-12 CONS # 78
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/13 TIME 0: 3:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.08	30.96	24.12	1478.
10	8.07	30.94	24.11	1478.
20	8.06	30.99	24.15	1478.
30	8.02	31.05	24.20	1478.
50	8.02	31.06	24.21	1479.
75	7.86	31.35	24.46	1479.
100	7.86	31.36	24.47	1479.
125	7.86	31.38	24.48	1480.
150	7.82	31.45	24.54	1480.
175	7.82	31.48	24.56	1480.
200	7.82	31.48	24.57	1481.

STATION J 6 CRUISE 77-12 CONS # 79
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/13 TIME 0:59:25 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.12	30.94	24.10	1478.
10	8.13	30.92	24.08	1478.
20	8.13	30.92	24.08	1478.
30	8.08	30.96	24.12	1478.
50	8.03	31.08	24.22	1479.
75	8.00	31.13	24.26	1479.
100	7.89	31.34	24.45	1479.
125	7.87	31.35	24.46	1480.
150	7.86	31.39	24.49	1480.
175	7.81	31.51	24.59	1481.
200	7.81	31.52	24.59	1481.

STATION J 6 CRUISE 77-12 CONS # 81
 POSITION 50-26.4N 126- .7W
 DATE 77/ 5/13 TIME 1:57:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.06	31.00	24.16	1478.
10	8.00	31.09	24.23	1478.
20	8.00	31.12	24.26	1478.
30	7.98	31.15	24.28	1478.
50	7.95	31.22	24.35	1479.
75	7.93	31.22	24.34	1479.
100	7.91	31.30	24.41	1479.
125	7.86	31.39	24.49	1480.
150	7.85	31.41	24.50	1480.
175	7.82	31.49	24.57	1480.
200	7.82	31.48	24.56	1481.

STATION S 1 CRUISE 77-12 CONS # 82
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 3: 1:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.58	30.55	23.73	1479.
10	8.44	30.61	23.80	1479.
20	8.22	30.79	23.97	1479.
30	8.09	31.00	24.15	1479.
50	7.98	31.13	24.27	1479.
75	7.87	31.33	24.44	1479.

STATION S 1 CRUISE 77-12 CONS # 84
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 3:59:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.45	23.63	1480.
10	8.41	30.59	23.79	1479.
20	8.18	30.82	24.00	1479.
30	8.13	30.91	24.08	1479.
50	7.99	31.15	24.28	1479.
75	7.93	31.23	24.36	1479.

STATION S 1 CRUISE 77-12 CONS # 85
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 4:58:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.64	30.45	23.64	1479.
10	8.24	30.73	23.92	1478.
20	8.14	30.85	24.03	1478.
30	8.14	30.89	24.06	1479.
50	8.06	31.01	24.17	1479.
75	7.89	31.27	24.39	1479.

STATION S 1 CRUISE 77-12 CONS # 87
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 5:59:57 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.65	30.46	23.64	1480.
10	8.24	30.70	23.89	1478.
20	8.15	30.85	24.02	1478.
30	8.13	30.89	24.06	1479.
50	8.06	31.04	24.18	1479.
75	7.95	31.21	24.33	1479.
100	7.80	31.49	24.58	1479.

STATION S 1 CRUISE 77-12 CONS # 88
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 7: 0:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.61	30.40	23.61	1479.
10	8.26	30.66	23.86	1478.
20	8.17	30.76	23.95	1478.
30	8.16	30.85	24.02	1479.
50	8.11	30.98	24.13	1479.
75	7.92	31.26	24.38	1479.
100	7.82	31.46	24.55	1479.

STATION S 1 CRUISE 77-12 CONS # 90
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 8: 0: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.63	30.47	23.65	1479.
10	8.28	30.67	23.86	1479.
20	8.25	30.72	23.91	1479.
30	8.21	30.84	24.01	1479.
50	8.11	30.95	24.11	1479.
75	7.97	31.19	24.32	1479.
100	7.83	31.43	24.53	1479.

STATION S 1 CRUISE 77-12 CONS # 91
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 9: 0: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.40	30.60	23.80	1479.
10	8.31	30.73	23.91	1479.
20	8.20	30.83	24.00	1479.
30	8.16	30.87	24.04	1479.
50	8.07	31.00	24.15	1479.
75	7.99	31.17	24.30	1479.
100	7.83	31.43	24.52	1479.

STATION S 1 CRUISE 77-12 CONS # 93
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 10: 1:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.31	30.85	24.00	1479.
10	8.18	30.88	24.04	1478.
20	8.11	30.94	24.10	1478.
30	8.08	30.93	24.10	1478.
50	8.00	31.15	24.28	1479.
75	7.85	31.40	24.50	1479.

STATION S 1 CRUISE 77-12 CONS # 94
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 10:58:28 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.33	30.83	23.98	1479.
10	8.18	30.86	24.03	1478.
20	8.11	30.92	24.08	1478.
30	8.09	30.95	24.11	1478.
50	7.97	31.17	24.30	1479.
75	7.84	31.40	24.49	1479.
100	7.82	31.44	24.54	1479.

STATION S 1 CRUISE 77-12 CONS # 96
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 11:57:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.25	30.84	24.00	1478.
10	8.17	30.88	24.05	1478.
20	8.08	30.95	24.11	1478.
30	7.95	31.22	24.34	1478.
50	7.94	31.21	24.34	1479.
75	7.83	31.42	24.52	1479.
100	7.81	31.49	24.57	1479.

STATION S 1 CRUISE 77-12 CONS # 97
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 13: 0:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.56	30.69	23.84	1479.
10	8.27	30.84	24.00	1479.
20	8.19	30.91	24.07	1479.
30	8.02	31.09	24.23	1478.
50	7.84	31.40	24.50	1478.
75	7.81	31.49	24.57	1479.
100	7.81	31.50	24.58	1479.

STATION S 1 CRUISE 77-12 CONS # 99
 POSITION 50-27.7N 125-59.3W
 DATE 77/ 5/13 TIME 13:56:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.75	30.46	23.63	1480.
10	8.29	30.65	23.85	1479.
20	8.18	30.86	24.03	1479.
30	7.96	31.17	24.30	1478.
50	7.85	31.40	24.50	1478.
75	7.80	31.51	24.59	1479.
100	7.80	31.47	24.56	1479.

STATION J 95 CRUISE 77-12 CONS #100
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/13 TIME 15: 9:58 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.32	30.89	24.03	1479.
10	8.19	30.92	24.07	1479.
20	8.05	31.01	24.16	1478.
30	8.05	31.00	24.16	1478.
50	8.02	31.08	24.22	1479.
75	7.97	31.12	24.26	1479.
100	7.91	31.27	24.39	1479.
125	7.85	31.36	24.46	1480.
150	7.84	31.39	24.49	1480.
175	7.85	31.45	24.53	1481.
200	7.87	31.47	24.55	1481.
225	7.87	31.48	24.56	1481.
250	7.86	31.53	24.59	1482.
275	7.86	31.55	24.61	1482.
300	7.85	31.52	24.59	1483.
325	7.84	31.58	24.64	1483.

STATION J 95 CRUISE 77-12 CONS #102
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/13 TIME 16:21:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.31	30.90	24.04	1479.
10	8.15	30.98	24.13	1478.
20	8.12	30.99	24.14	1478.
30	8.02	31.05	24.20	1478.
50	7.99	31.13	24.26	1479.
75	7.95	31.20	24.33	1479.
100	7.88	31.29	24.40	1479.
125	7.83	31.42	24.52	1480.
150	7.85	31.44	24.53	1480.
175	7.85	31.43	24.52	1481.
200	7.86	31.47	24.55	1481.
225	7.87	31.50	24.57	1482.
250	7.86	31.51	24.59	1482.
275	7.86	31.53	24.59	1482.
300	7.84	31.52	24.59	1483.
325	7.84	31.54	24.61	1483.

STATION J 95 CRUISE 77-12 CONS #104
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/13 TIME 17:26:53 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.25	30.97	24.10	1479.
10	8.20	30.95	24.10	1479.
20	8.06	31.04	24.19	1478.
30	8.01	31.11	24.25	1478.
50	7.92	31.26	24.38	1479.
75	7.87	31.34	24.45	1479.
100	7.85	31.37	24.47	1479.
125	7.83	31.43	24.52	1480.
150	7.84	31.42	24.51	1480.
175	7.84	31.48	24.56	1481.
200	7.84	31.48	24.56	1481.
225	7.85	31.51	24.58	1481.
250	7.84	31.49	24.57	1482.
275	7.83	31.56	24.62	1482.
300	7.84	31.53	24.60	1483.
325	7.85	31.54	24.61	1483.

STATION J 95 CRUISE 77-12 CONS #106
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/13 TIME 18:32:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.33	30.92	24.05	1479.
10	8.33	30.93	24.06	1479.
20	8.08	31.02	24.17	1478.
30	8.00	31.11	24.25	1478.
50	7.90	31.27	24.39	1479.
75	7.87	31.31	24.43	1479.
100	7.83	31.44	24.54	1479.
125	7.83	31.41	24.51	1480.
150	7.83	31.41	24.51	1480.
175	7.84	31.46	24.54	1481.
200	7.84	31.47	24.56	1481.
225	7.84	31.48	24.56	1481.
250	7.84	31.48	24.56	1482.
275	7.85	31.50	24.57	1482.
300	7.84	31.52	24.59	1483.
325	7.84	31.52	24.59	1483.

STATION J 95 CRUISE 77-12 CONS #108
 POSITION 50-28.5N 126-11.5W
 DATE 77/ 5/13 TIME 19:31:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.40	30.87	24.00	1479.
10	8.40	30.86	24.00	1479.
20	8.08	30.99	24.15	1478.
30	8.04	31.05	24.20	1478.
50	7.96	31.18	24.31	1479.
75	7.92	31.27	24.38	1479.
100	7.90	31.27	24.39	1479.
125	7.83	31.46	24.54	1480.
150	7.84	31.44	24.53	1480.
175	7.84	31.43	24.53	1480.
200	7.84	31.44	24.53	1481.
225	7.84	31.50	24.58	1481.
250	7.84	31.52	24.59	1482.
275	7.83	31.54	24.61	1482.
300	7.84	31.55	24.62	1483.
325	7.84	31.51	24.59	1483.

STATION J 95 CRUISE 77-12 CONS #110
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/13 TIME 20:38:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.32	30.89	24.04	1479.
10	8.25	30.94	24.08	1479.
20	8.05	31.03	24.18	1478.
30	8.05	31.04	24.19	1478.
50	8.04	31.03	24.18	1479.
75	7.91	31.25	24.37	1479.
100	7.89	31.29	24.40	1479.
125	7.84	31.42	24.52	1480.
150	7.85	31.46	24.54	1480.
175	7.84	31.50	24.58	1481.
200	7.83	31.50	24.57	1481.
225	7.83	31.51	24.59	1481.
250	7.83	31.51	24.59	1482.
275	7.82	31.56	24.62	1482.
300	7.84	31.54	24.61	1483.
325	7.83	31.53	24.60	1483.

STATION J 95 CRUISE 77-12 CONS #112
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/13 TIME 21:45:55 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.29	30.84	24.00	1479.
10	8.20	30.96	24.10	1479.
20	8.04	31.03	24.18	1478.
30	8.03	31.07	24.21	1478.
50	7.96	31.17	24.30	1479.
75	7.91	31.26	24.38	1479.
100	7.85	31.36	24.47	1479.
125	7.84	31.43	24.52	1480.
150	7.84	31.46	24.54	1480.
175	7.85	31.49	24.57	1481.
200	7.85	31.46	24.54	1481.
225	7.85	31.51	24.58	1481.
250	7.86	31.50	24.58	1482.
275	7.85	31.55	24.61	1482.
300	7.83	31.56	24.63	1483.
325	7.83	31.54	24.61	1483.

STATION J 95 CRUISE 77-12 CONS #114
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/13 TIME 22:52: 1 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.26	30.90	24.05	1479.
10	8.15	30.99	24.13	1478.
20	8.04	31.06	24.20	1478.
30	8.02	31.08	24.22	1478.
50	7.96	31.16	24.29	1479.
75	7.92	31.26	24.38	1479.
100	7.88	31.35	24.46	1479.
125	7.84	31.41	24.51	1480.
150	7.84	31.43	24.52	1480.
175	7.85	31.48	24.56	1481.
200	7.86	31.50	24.57	1481.
225	7.85	31.54	24.60	1482.
250	7.85	31.50	24.58	1482.
275	7.86	31.50	24.57	1482.
300	7.84	31.52	24.60	1483.
325	7.84	31.57	24.63	1483.

STATION J 95 CRUISE 77-12 CONS #116
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/13 TIME 23:58:49 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.20	30.93	24.08	1478.
10	8.14	30.98	24.12	1478.
20	8.05	31.02	24.17	1478.
30	8.03	31.08	24.22	1478.
50	7.97	31.19	24.32	1479.
75	7.92	31.25	24.37	1479.
100	7.85	31.35	24.46	1479.
125	7.85	31.38	24.48	1480.
150	7.85	31.44	24.53	1480.
175	7.84	31.43	24.52	1481.
200	7.85	31.49	24.56	1481.
225	7.85	31.52	24.59	1481.
250	7.87	31.53	24.60	1482.
275	7.85	31.52	24.60	1482.
300	7.85	31.55	24.61	1483.
325	7.84	31.57	24.63	1483.

STATION J 95 CRUISE 77-12 CONS #118
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 1:19:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.16	30.98	24.12	1478.
10	8.13	31.00	24.15	1478.
20	8.11	31.01	24.15	1479.
30	8.08	31.02	24.17	1479.
50	8.02	31.09	24.23	1479.
75	7.93	31.23	24.35	1479.
100	7.86	31.32	24.43	1479.
125	7.84	31.43	24.53	1480.
150	7.84	31.46	24.54	1480.
175	7.84	31.48	24.56	1481.
200	7.85	31.48	24.56	1481.
225	7.86	31.48	24.56	1481.
250	7.86	31.48	24.56	1482.
275	7.87	31.52	24.59	1482.
300	7.84	31.56	24.63	1483.
325	7.84	31.53	24.60	1483.

STATION J 95 CRUISE 77-12 CONS #120
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 2:28:12 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.17	30.92	24.08	1478.
10	8.15	30.98	24.13	1478.
20	8.13	30.98	24.13	1479.
30	8.09	31.02	24.16	1479.
50	8.04	31.07	24.21	1479.
75	7.99	31.13	24.27	1479.
100	7.92	31.27	24.38	1479.
125	7.85	31.38	24.48	1480.
150	7.85	31.42	24.51	1480.
175	7.85	31.46	24.54	1481.
200	7.85	31.51	24.58	1481.
225	7.86	31.49	24.56	1481.
250	7.86	31.54	24.61	1482.
275	7.86	31.49	24.56	1482.
300	7.85	31.55	24.61	1483.
325	7.84	31.56	24.63	1483.

STATION J 95 CRUISE 77-12 CONS #122
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 3:36:47 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.17	30.89	24.05	1478.
10	8.16	30.94	24.10	1478.
20	8.09	31.06	24.19	1478.
30	8.04	31.11	24.24	1479.
50	7.97	31.19	24.32	1479.
75	7.93	31.22	24.35	1479.
100	7.87	31.33	24.44	1479.
125	7.85	31.41	24.51	1480.
150	7.84	31.47	24.55	1480.
175	7.85	31.46	24.54	1481.
200	7.85	31.45	24.54	1481.
225	7.85	31.51	24.59	1481.
250	7.86	31.53	24.60	1482.
275	7.85	31.50	24.58	1482.
300	7.85	31.54	24.61	1483.
325	7.84	31.52	24.59	1483.

STATION J 95 CRUISE 77-12 CONS #124
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 4:42:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.19	30.94	24.09	1478.
10	8.16	30.87	24.04	1478.
20	8.10	31.06	24.20	1479.
30	8.08	31.10	24.23	1479.
50	7.95	31.19	24.32	1479.
75	7.91	31.30	24.41	1479.
100	7.90	31.30	24.41	1479.
125	7.85	31.38	24.48	1480.
150	7.85	31.47	24.55	1480.
175	7.85	31.43	24.52	1481.
200	7.85	31.52	24.59	1481.
225	7.85	31.52	24.59	1481.
250	7.85	31.54	24.61	1482.
275	7.85	31.53	24.60	1482.
300	7.83	31.58	24.64	1483.
325	7.84	31.57	24.63	1483.

STATION J 95 CRUISE 77-12 CONS #126
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 5:43:29 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.29	30.83	23.99	1479.
10	8.17	30.85	24.02	1478.
20	8.07	31.05	24.19	1478.
30	8.05	31.07	24.21	1479.
50	7.99	31.18	24.30	1479.
75	7.91	31.27	24.38	1479.
100	7.86	31.36	24.47	1479.
125	7.84	31.47	24.55	1480.
150	7.85	31.48	24.56	1480.
175	7.86	31.45	24.54	1481.
200	7.86	31.45	24.53	1481.
225	7.86	31.55	24.61	1482.
250	7.86	31.52	24.59	1482.
275	7.85	31.53	24.60	1482.
300	7.84	31.54	24.61	1483.
325	7.84	31.54	24.61	1483.

STATION J 95 CRUISE 77-12 CONS #128
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 6:37:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.26	30.84	24.00	1479.
10	8.16	30.89	24.06	1478.
20	8.09	30.99	24.14	1478.
30	8.07	31.03	24.17	1478.
50	8.00	31.15	24.28	1479.
75	7.91	31.23	24.35	1479.
100	7.89	31.30	24.42	1479.
125	7.86	31.38	24.48	1480.
150	7.85	31.42	24.51	1480.
175	7.85	31.47	24.55	1481.
200	7.85	31.47	24.55	1481.
225	7.85	31.50	24.58	1481.
250	7.84	31.51	24.58	1482.
275	7.84	31.52	24.59	1482.
300	7.83	31.56	24.63	1483.
325	7.84	31.54	24.61	1483.

STATION J 95 CRUISE 77-12 CONS #130
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 7:40:43 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.11	30.95	24.11	1478.
10	8.11	30.92	24.09	1478.
20	8.09	30.97	24.12	1478.
30	8.04	31.06	24.20	1478.
50	8.02	31.11	24.25	1479.
75	7.96	31.21	24.34	1479.
100	7.87	31.35	24.45	1479.
125	7.85	31.38	24.48	1480.
150	7.85	31.44	24.53	1480.
175	7.84	31.50	24.57	1481.
200	7.85	31.47	24.55	1481.
225	7.86	31.47	24.55	1481.
250	7.85	31.52	24.59	1482.
275	7.84	31.55	24.61	1482.
300	7.84	31.55	24.61	1483.
325	7.84	31.54	24.61	1483.

STATION J 95 CRUISE 77-12 CONS #132
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 8:41:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.16	30.90	24.06	1478.
10	8.15	30.92	24.08	1478.
20	8.10	30.98	24.13	1478.
30	8.06	31.00	24.16	1478.
50	7.99	31.16	24.29	1479.
75	7.88	31.33	24.44	1479.
100	7.85	31.40	24.49	1479.
125	7.84	31.45	24.53	1480.
150	7.84	31.46	24.55	1480.
175	7.85	31.45	24.54	1481.
200	7.85	31.50	24.57	1481.
225	7.86	31.52	24.59	1481.
250	7.86	31.50	24.58	1482.
275	7.85	31.53	24.60	1482.
300	7.84	31.53	24.60	1483.
325	7.84	31.54	24.61	1483.

STATION J 95 CRUISE 77-12 CONS #134
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 9:56: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.20	30.89	24.05	1478.
10	8.12	30.99	24.14	1478.
20	8.08	31.01	24.16	1478.
30	8.06	31.03	24.18	1478.
50	7.98	31.16	24.29	1479.
75	7.92	31.25	24.37	1479.
100	7.88	31.34	24.45	1479.
125	7.85	31.45	24.53	1480.
150	7.85	31.46	24.54	1480.
175	7.85	31.47	24.55	1481.
200	7.85	31.47	24.55	1481.
225	7.86	31.50	24.58	1481.
250	7.86	31.49	24.57	1482.
275	7.86	31.53	24.60	1482.
300	7.84	31.54	24.61	1483.
325	7.84	31.58	24.64	1483.

STATION J 95 CRUISE 77-12 CONS #136
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 10:59:28 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.19	30.96	24.10	1478.
10	8.13	30.97	24.12	1478.
20	8.06	31.03	24.18	1478.
30	8.04	31.06	24.20	1478.
50	8.01	31.15	24.28	1479.
75	7.91	31.27	24.39	1479.
100	7.87	31.33	24.44	1479.
125	7.85	31.39	24.49	1480.
150	7.85	31.42	24.51	1480.
175	7.85	31.45	24.53	1481.
200	7.85	31.47	24.55	1481.
225	7.86	31.48	24.56	1481.
250	7.85	31.49	24.57	1482.
275	7.86	31.53	24.59	1482.
300	7.84	31.54	24.61	1483.
325	7.84	31.56	24.63	1483.

STATION J 95 CRUISE 77-12 CONS #138
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 12:16: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.13	1.02	.71	1441.
10	8.06	1.02	.72	1441.
20	8.06	1.02	.72	1441.
30	8.06	1.02	.72	1441.
50	7.95	1.02	.72	1441.
75	7.87	1.03	.73	1441.
100	7.85	1.03	.73	1441.
125	7.84	1.03	.73	1442.
150	7.85	1.03	.73	1442.
175	7.86	1.03	.74	1443.
200	7.85	1.03	.74	1443.
225	7.85	1.03	.74	1443.
250	7.86	1.03	.74	1444.
275	7.85	1.04	.74	1444.
300	7.86	1.04	.74	1445.

STATION J 95 CRUISE 77-12 CONS #141
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 13:37: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.19	30.90	24.06	1478.
10	8.18	30.91	24.07	1478.
20	8.18	30.93	24.09	1479.
30	8.06	31.05	24.19	1478.
50	8.02	31.11	24.24	1479.
75	7.93	31.23	24.35	1479.
100	7.89	31.30	24.41	1479.
125	7.85	31.37	24.48	1480.
150	7.86	31.38	24.48	1480.
175	7.86	31.49	24.56	1481.
200	7.88	31.47	24.55	1481.
225	7.88	31.50	24.57	1482.
250	7.87	31.50	24.57	1482.
275	7.86	31.53	24.59	1482.
300	7.85	31.56	24.62	1483.
325	7.85	31.54	24.61	1483.

STATION J 95 CRUISE 77-12 CONS #143
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 14:40: 3 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.21	30.92	24.07	1478.
10	8.18	30.95	24.10	1479.
20	8.11	30.92	24.09	1478.
30	8.10	30.96	24.11	1479.
50	8.04	31.08	24.22	1479.
75	7.94	31.23	24.35	1479.
100	7.90	31.25	24.38	1479.
125	7.85	31.39	24.49	1480.
150	7.86	31.43	24.52	1480.
175	7.85	31.48	24.56	1481.
200	7.85	31.46	24.55	1481.
225	7.87	31.44	24.53	1481.
250	7.87	31.53	24.60	1482.
275	7.87	31.50	24.57	1482.
300	7.87	31.53	24.60	1483.
325	7.85	31.52	24.59	1483.

STATION J 95 CRUISE 77-12 CONS #145
 POSITION 50-28.7N 126-11.5W
 DATE 77/ 5/14 TIME 15:43:35 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.25	30.95	24.09	1479.
10	8.10	31.01	24.16	1478.
20	8.07	31.04	24.18	1478.
30	8.07	31.02	24.17	1478.
50	7.97	31.20	24.32	1479.
75	7.97	31.21	24.33	1479.
100	7.88	31.32	24.43	1479.
125	7.85	31.37	24.48	1480.
150	7.86	31.42	24.52	1480.
175	7.86	31.42	24.51	1481.
200	7.88	31.46	24.54	1481.
225	7.88	31.50	24.57	1482.
250	7.86	31.50	24.57	1482.
275	7.87	31.49	24.57	1482.
300	7.87	31.51	24.58	1483.
325	7.86	31.52	24.59	1483.

STATION J 85 CRUISE 77-12 CONS #101
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/13 TIME 15:47: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.51	30.84	23.97	1479.
10	8.06	31.05	24.19	1478.
20	8.05	31.02	24.17	1478.
30	8.01	31.11	24.25	1478.
50	8.00	31.14	24.27	1479.
75	7.85	31.37	24.48	1479.
100	7.83	31.45	24.54	1479.
125	7.82	31.47	24.56	1480.
150	7.83	31.50	24.58	1480.
175	7.83	31.46	24.55	1481.
200	7.83	31.51	24.59	1481.
225	7.82	31.52	24.60	1481.
250	7.83	31.54	24.61	1482.
275	7.83	31.49	24.57	1482.
300	7.84	31.51	24.58	1483.

STATION J 85 CRUISE 77-12 CONS #103
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/13 TIME 16:56:29 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.34	30.89	24.03	1479.
10	8.36	30.87	24.01	1479.
20	8.12	30.99	24.14	1479.
30	8.10	31.01	24.16	1479.
50	7.97	31.15	24.28	1479.
75	7.88	31.30	24.41	1479.
100	7.83	31.37	24.48	1479.
125	7.82	31.45	24.54	1480.
150	7.82	31.49	24.57	1480.
175	7.83	31.49	24.57	1481.
200	7.83	31.47	24.55	1481.
225	7.83	31.51	24.58	1481.
250	7.83	31.50	24.58	1482.
275	7.83	31.53	24.60	1482.
300	7.84	31.49	24.57	1483.

STATION J 85 CRUISE 77-12 CONS #105
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/13 TIME 18: 1:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.30	30.95	24.08	1479.
10	8.14	31.02	24.16	1478.
20	8.03	31.11	24.24	1478.
30	8.02	31.11	24.25	1478.
50	7.97	31.16	24.29	1479.
75	7.91	31.24	24.36	1479.
100	7.85	31.39	24.49	1479.
125	7.84	31.43	24.52	1480.
150	7.84	31.44	24.53	1480.
175	7.83	31.48	24.56	1481.
200	7.83	31.49	24.57	1481.
225	7.83	31.48	24.56	1481.
250	7.84	31.50	24.58	1482.
275	7.84	31.53	24.60	1482.
300	7.84	31.55	24.61	1483.

STATION J 85 CRUISE 77-12 CONS #107
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/13 TIME 19: 2:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.33	30.86	24.01	1479.
10	8.21	30.94	24.09	1479.
20	8.11	30.99	24.14	1478.
30	8.10	31.04	24.18	1479.
50	8.08	31.06	24.20	1479.
75	7.94	31.21	24.34	1479.
100	7.91	31.26	24.38	1479.
125	7.89	31.29	24.41	1480.
150	7.84	31.40	24.50	1480.
175	7.84	31.45	24.54	1481.
200	7.84	31.45	24.54	1481.
225	7.83	31.48	24.56	1481.
250	7.84	31.48	24.56	1482.
275	7.84	31.50	24.58	1482.
300	7.84	31.53	24.60	1483.

STATION J 85 CRUISE 77-12 CONS #109
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/13 TIME 20: 4: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.30	30.76	23.94	1479.
10	8.34	30.73	23.91	1479.
20	8.10	31.03	24.17	1478.
30	8.06	31.07	24.21	1479.
50	8.00	31.14	24.27	1479.
75	7.89	31.31	24.42	1479.
100	7.87	31.34	24.45	1479.
125	7.83	31.43	24.52	1480.
150	7.83	31.44	24.53	1480.
175	7.83	31.45	24.54	1481.
200	7.84	31.47	24.55	1481.
225	7.82	31.52	24.59	1481.
250	7.84	31.49	24.57	1482.
275	7.83	31.54	24.61	1482.
300	7.83	31.52	24.59	1483.

STATION J 85 CRUISE 77-12 CONS #111
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/13 TIME 21:13:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.23	30.76	23.94	1478.
10	8.22	30.86	24.03	1479.
20	8.17	30.95	24.10	1479.
30	8.13	30.98	24.13	1479.
50	8.04	31.07	24.21	1479.
75	8.02	31.11	24.25	1479.
100	7.99	31.14	24.27	1479.
125	7.85	31.38	24.48	1480.
150	7.83	31.45	24.54	1480.
175	7.83	31.47	24.56	1481.
200	7.84	31.49	24.57	1481.
225	7.83	31.49	24.57	1481.
250	7.83	31.52	24.59	1482.
275	7.83	31.54	24.61	1482.
300	7.83	31.52	24.60	1483.

STATION J 85 CRUISE 77-12 CONS #113
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/13 TIME 22:17:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.17	30.85	24.02	1478.
10	8.17	30.93	24.08	1478.
20	8.16	30.97	24.12	1479.
30	8.16	30.95	24.10	1479.
50	8.08	31.04	24.18	1479.
75	8.03	31.12	24.26	1479.
100	7.91	31.29	24.41	1479.
125	7.86	31.37	24.47	1480.
150	7.86	31.38	24.48	1480.
175	7.84	31.47	24.56	1481.
200	7.83	31.49	24.57	1481.
225	7.83	31.49	24.57	1481.
250	7.84	31.50	24.58	1482.
275	7.84	31.51	24.58	1482.
300	7.83	31.53	24.60	1483.

STATION J 85 CRUISE 77-12 CONS #115
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/13 TIME 23:24:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.14	30.90	24.07	1478.
10	8.17	30.96	24.11	1478.
20	8.16	30.97	24.12	1479.
30	8.13	30.98	24.13	1479.
50	8.10	31.02	24.17	1479.
75	7.98	31.15	24.29	1479.
100	7.90	31.30	24.41	1479.
125	7.87	31.37	24.47	1480.
150	7.84	31.41	24.51	1480.
175	7.83	31.47	24.55	1481.
200	7.84	31.48	24.56	1481.
225	7.84	31.51	24.59	1481.
250	7.84	31.46	24.55	1482.
275	7.85	31.55	24.61	1482.
300	7.84	31.54	24.61	1483.

STATION J 85 CRUISE 77-12 CONS #117
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 0:32:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.14	30.86	24.03	1478.
10	8.16	30.97	24.12	1478.
20	8.11	31.00	24.15	1478.
30	8.07	31.03	24.18	1479.
50	8.01	31.14	24.27	1479.
75	7.98	31.19	24.31	1479.
100	7.89	31.34	24.45	1479.
125	7.86	31.36	24.46	1480.
150	7.85	31.38	24.48	1480.
175	7.85	31.48	24.56	1481.
200	7.84	31.50	24.58	1481.
225	7.86	31.50	24.58	1481.
250	7.83	31.51	24.59	1482.
275	7.83	31.56	24.63	1482.
300	7.84	31.57	24.64	1483.

STATION J 85 CRUISE 77-12 CONS #119
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 1:56:26 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.21	30.80	23.98	1478.
10	8.15	30.86	24.03	1478.
20	8.15	30.95	24.10	1479.
30	8.10	30.99	24.14	1479.
50	8.02	31.15	24.28	1479.
75	7.92	31.26	24.38	1479.
100	7.87	31.32	24.43	1479.
125	7.86	31.34	24.45	1480.
150	7.84	31.44	24.53	1480.
175	7.85	31.47	24.55	1481.
200	7.87	31.48	24.56	1481.
225	7.86	31.46	24.55	1481.
250	7.84	31.50	24.58	1482.
275	7.83	31.56	24.63	1482.
300	7.85	31.55	24.62	1483.

STATION J 85 CRUISE 77-12 CONS #121
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 3: 5:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.21	30.83	24.00	1478.
10	8.19	30.88	24.04	1478.
20	8.13	30.92	24.08	1478.
30	8.04	31.07	24.21	1478.
50	8.01	31.15	24.28	1479.
75	7.88	31.30	24.41	1479.
100	7.85	31.38	24.48	1479.
125	7.84	31.46	24.55	1480.
150	7.84	31.47	24.56	1480.
175	7.85	31.50	24.58	1481.
200	7.85	31.50	24.58	1481.
225	7.83	31.50	24.58	1481.
250	7.83	31.54	24.61	1482.
275	7.84	31.53	24.60	1482.
300	7.84	31.55	24.62	1483.

STATION J 85 CRUISE 77-12 CONS #123
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 4: 9:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.42	30.80	23.95	1479.
10	8.35	30.82	23.97	1479.
20	8.18	30.90	24.06	1479.
30	8.14	30.90	24.07	1479.
50	8.07	31.07	24.21	1479.
75	7.92	31.26	24.38	1479.
100	7.86	31.37	24.47	1479.
125	7.85	31.40	24.50	1480.
150	7.85	31.44	24.53	1480.
175	7.85	31.46	24.54	1481.
200	7.85	31.48	24.56	1481.
225	7.85	31.49	24.57	1481.
250	7.85	31.51	24.58	1482.
275	7.85	31.52	24.59	1482.
300	7.85	31.53	24.60	1483.

STATION J 85 CRUISE 77-12 CONS #125
 POSITION 50-28.0N 126- 7.0W
 DATE 77/ 5/14 TIME 5:14: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.06	31.01	24.16	1478.
10	8.07	31.01	24.16	1478.
20	8.07	31.00	24.16	1478.
30	8.06	31.06	24.20	1479.
50	8.02	31.11	24.25	1479.
75	7.98	31.17	24.30	1479.
100	7.89	31.31	24.42	1479.
125	7.86	31.37	24.47	1480.
150	7.84	31.43	24.52	1480.
175	7.84	31.45	24.54	1481.
200	7.84	31.44	24.53	1481.
225	7.84	31.48	24.56	1481.
250	7.84	31.51	24.58	1482.
275	7.84	31.51	24.58	1482.
300	7.85	31.50	24.57	1483.

STATION J 85 CRUISE 77-12 CONS #127
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 6:12:58 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.14	30.93	24.09	1478.
10	8.18	30.88	24.04	1478.
20	8.10	30.98	24.13	1478.
30	8.10	30.98	24.13	1479.
50	8.08	31.02	24.17	1479.
75	8.00	31.13	24.27	1479.
100	7.89	31.32	24.43	1479.
125	7.85	31.39	24.49	1480.
150	7.84	31.42	24.51	1480.
175	7.84	31.43	24.52	1481.
200	7.84	31.48	24.56	1481.
225	7.85	31.48	24.56	1481.
250	7.84	31.51	24.59	1482.
275	7.84	31.52	24.59	1482.
300	7.84	31.54	24.61	1483.

STATION J 85 CRUISE 77-12 CONS #129
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 7:10: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.20	30.81	23.99	1478.
10	8.15	30.90	24.06	1478.
20	8.12	30.92	24.08	1478.
30	8.12	30.94	24.10	1479.
50	8.07	31.03	24.17	1479.
75	8.03	31.10	24.24	1479.
100	7.97	31.23	24.35	1480.
125	7.90	31.32	24.43	1480.
150	7.88	31.35	24.45	1480.
175	7.87	31.40	24.49	1481.
200	7.85	31.43	24.52	1481.
225	7.85	31.46	24.54	1481.
250	7.85	31.46	24.54	1482.
275	7.84	31.51	24.59	1482.
300	7.84	31.52	24.60	1483.
325	7.84	31.51	24.59	1483.

STATION J 85 CRUISE 77-12 CONS #131
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 8:10:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.15	30.85	24.03	1478.
10	8.11	30.92	24.09	1478.
20	8.09	30.96	24.12	1478.
30	8.08	30.99	24.14	1479.
50	8.07	31.00	24.15	1479.
75	8.04	31.09	24.23	1479.
100	8.00	31.17	24.29	1480.
125	7.94	31.26	24.38	1480.
150	7.90	31.31	24.42	1480.
175	7.87	31.38	24.48	1481.
200	7.85	31.43	24.52	1481.
225	7.84	31.47	24.55	1481.
250	7.84	31.49	24.57	1482.
275	7.84	31.52	24.59	1482.
300	7.84	31.52	24.60	1483.
325	7.84	31.51	24.58	1483.

STATION J 85 CRUISE 77-12 CONS #133
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 9:13:48 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.10	30.99	24.14	1478.
10	8.07	31.02	24.17	1478.
20	8.07	31.02	24.17	1478.
30	8.06	31.03	24.18	1478.
50	8.07	31.02	24.17	1479.
75	8.06	31.04	24.19	1479.
100	8.04	31.10	24.24	1480.
125	7.98	31.21	24.33	1480.
150	7.87	31.38	24.48	1480.
175	7.85	31.41	24.51	1481.
200	7.84	31.47	24.55	1481.
225	7.84	31.46	24.55	1481.
250	7.85	31.50	24.58	1482.
275	7.84	31.49	24.57	1482.
300	7.84	31.54	24.61	1483.

STATION J 85 CRUISE 77-12 CONS #135
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 10:25:13 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.19	30.92	24.08	1478.
10	8.13	30.98	24.13	1478.
20	8.10	30.99	24.14	1478.
30	8.09	31.01	24.16	1479.
50	8.07	31.00	24.15	1479.
75	8.05	31.07	24.21	1479.
100	7.97	31.20	24.32	1479.
125	7.95	31.24	24.36	1480.
150	7.92	31.32	24.43	1480.
175	7.86	31.40	24.50	1481.
200	7.85	31.43	24.52	1481.
225	7.85	31.48	24.56	1481.
250	7.85	31.52	24.59	1482.
275	7.85	31.53	24.60	1482.
300	7.85	31.53	24.60	1483.

STATION J 85 CRUISE 77-12 CONS #137
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 11:29:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.15	30.94	24.10	1478.
10	8.11	30.98	24.13	1478.
20	8.09	31.01	24.16	1478.
30	8.08	31.05	24.19	1479.
50	8.05	31.09	24.22	1479.
75	8.03	31.10	24.24	1479.
100	8.01	31.14	24.27	1480.
125	7.97	31.21	24.33	1480.
150	7.88	31.37	24.47	1480.
175	7.85	31.43	24.52	1481.
200	7.85	31.45	24.53	1481.
225	7.85	31.47	24.55	1481.
250	7.86	31.49	24.57	1482.
275	7.86	31.50	24.58	1482.
300	7.85	31.54	24.61	1483.

STATION J 85 CRUISE 77-12 CONS #140
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 13: 3:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.18	30.93	24.08	1478.
10	8.11	30.99	24.14	1478.
20	8.08	31.03	24.17	1478.
30	8.07	31.02	24.17	1479.
50	8.07	31.02	24.17	1479.
75	8.03	31.09	24.23	1479.
100	7.93	31.28	24.39	1479.
125	7.87	31.33	24.44	1480.
150	7.87	31.37	24.47	1480.
175	7.85	31.44	24.53	1481.
200	7.85	31.47	24.55	1481.
225	7.85	31.47	24.55	1481.
250	7.85	31.50	24.57	1482.
275	7.86	31.52	24.59	1482.
300	7.85	31.55	24.62	1483.

STATION J 85 CRUISE 77-12 CONS #142
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 14: 7:30 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.18	30.91	24.07	1478.
10	8.16	30.92	24.08	1478.
20	8.11	30.96	24.12	1478.
30	8.07	31.03	24.18	1479.
50	8.05	31.04	24.18	1479.
75	8.03	31.08	24.22	1479.
100	7.95	31.24	24.36	1479.
125	7.89	31.32	24.43	1480.
150	7.86	31.40	24.50	1480.
175	7.86	31.45	24.54	1481.
200	7.86	31.46	24.54	1481.
225	7.86	31.47	24.55	1481.
250	7.86	31.49	24.57	1482.
275	7.86	31.49	24.57	1482.
300	7.85	31.49	24.57	1483.

STATION J 85 CRUISE 77-12 CONS #144
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 15:11:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.23	30.90	24.05	1478.
10	8.16	30.98	24.12	1478.
20	8.12	31.01	24.15	1479.
30	8.10	31.02	24.17	1479.
50	8.00	31.14	24.27	1479.
75	7.97	31.20	24.32	1479.
100	7.92	31.27	24.39	1479.
125	7.89	31.36	24.46	1480.
150	7.86	31.44	24.53	1480.
175	7.86	31.44	24.53	1481.
200	7.85	31.49	24.57	1481.
225	7.86	31.47	24.55	1481.
250	7.86	31.45	24.53	1482.
275	7.85	31.51	24.58	1482.
300	7.85	31.51	24.58	1483.

STATION J 85 CRUISE 77-12 CONS #146
 POSITION 50-28.5N 126- 7.0W
 DATE 77/ 5/14 TIME 16:16: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.33	30.86	24.01	1479.
10	8.13	30.95	24.11	1478.
20	8.07	31.02	24.17	1478.
30	8.08	31.02	24.17	1479.
50	8.04	31.10	24.24	1479.
75	7.89	31.32	24.43	1479.
100	7.86	31.45	24.53	1479.
125	7.86	31.42	24.52	1480.
150	7.85	31.41	24.50	1480.
175	7.86	31.47	24.55	1481.
200	7.86	31.47	24.55	1481.
225	7.86	31.50	24.57	1481.
250	7.85	31.49	24.57	1482.
275	7.84	31.50	24.58	1482.
300	7.85	31.51	24.58	1483.

STATION J 8 CRUISE 77-15 CONS #224
 POSITION 50-27.6N 126- 1.2W
 DATE 77/11/21 TIME 1:17: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.47	30.78	23.92	1479.
10	8.46	30.65	23.82	1479.
20	8.53	30.74	23.88	1480.
30	8.58	30.86	23.97	1480.
50	8.62	31.08	24.14	1481.
75	8.61	31.11	24.16	1481.
100	8.59	31.12	24.17	1482.
125	8.60	31.16	24.20	1482.
150	8.60	31.23	24.25	1483.
175	8.60	31.24	24.27	1483.
200	8.62	31.26	24.28	1484.
225	8.63	31.28	24.29	1484.

STATION J 8 CRUISE 77-15 CONS #226
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 2: 1:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.42	30.81	23.95	1479.
10	8.43	30.63	23.81	1479.
20	8.48	30.66	23.83	1479.
30	8.52	30.71	23.86	1480.
50	8.59	30.88	23.99	1481.
75	8.61	31.08	24.14	1481.
100	8.59	31.14	24.19	1482.
125	8.59	31.18	24.22	1482.
150	8.61	31.23	24.26	1483.
175	8.61	31.26	24.27	1483.
200	8.63	31.25	24.27	1484.
225	8.63	31.27	24.28	1484.
250	8.63	31.25	24.27	1485.

STATION J 8 CRUISE 77-15 CONS #228
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 3: 0: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.44	30.65	23.83	1479.
10	8.46	30.63	23.81	1479.
20	8.52	30.65	23.82	1480.
30	8.52	30.67	23.83	1480.
50	8.60	30.88	23.98	1481.
75	8.61	31.09	24.14	1481.
100	8.59	31.14	24.18	1482.
125	8.60	31.18	24.22	1482.
150	8.60	31.21	24.24	1483.
175	8.61	31.24	24.27	1483.
200	8.62	31.24	24.26	1484.
225	8.62	31.23	24.25	1484.
250	8.63	31.23	24.25	1485.

STATION J 8 CRUISE 77-15 CONS #230
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 4: 0:53 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.42	30.64	23.82	1479.
10	8.54	30.71	23.86	1480.
20	8.56	30.76	23.89	1480.
30	8.56	30.79	23.92	1480.
50	8.57	30.81	23.93	1480.
75	8.62	30.97	24.05	1481.
100	8.61	31.10	24.16	1482.
125	8.61	31.10	24.15	1482.
150	8.60	31.17	24.21	1483.
175	8.60	31.19	24.23	1483.
200	8.61	31.22	24.24	1484.
225	8.61	31.21	24.24	1484.
250	8.62	31.22	24.25	1484.

STATION J 8 CRUISE 77-15 CONS #232
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 5: 0:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.44	30.61	23.80	1479.
10	8.45	30.65	23.82	1479.
20	8.56	30.81	23.93	1480.
30	8.58	30.85	23.96	1480.
50	8.57	30.86	23.97	1481.
75	8.58	30.84	23.96	1481.
100	8.60	30.92	24.02	1482.
125	8.61	30.96	24.05	1482.
150	8.62	31.09	24.14	1483.
175	8.61	31.13	24.17	1483.
200	8.62	31.16	24.20	1484.
225	8.61	31.19	24.23	1484.

STATION J 8 CRUISE 77-15 CONS #234
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 5:58:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.42	30.59	23.78	1479.
10	8.50	30.66	23.83	1479.
20	8.50	30.67	23.83	1480.
30	8.49	30.66	23.83	1480.
50	8.52	30.74	23.89	1480.
75	8.59	30.94	24.03	1481.
100	8.60	30.96	24.05	1482.
125	8.61	31.06	24.12	1482.
150	8.62	31.15	24.19	1483.
175	8.62	31.20	24.23	1483.
200	8.62	31.22	24.24	1484.
225	8.64	31.25	24.26	1484.

STATION J 8 CRUISE 77-15 CONS #236
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 6:55:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.45	30.57	23.76	1479.
10	8.47	30.58	23.77	1479.
20	8.49	30.61	23.79	1479.
30	8.50	30.63	23.80	1480.
50	8.55	30.72	23.87	1480.
75	8.56	30.76	23.89	1481.
100	8.61	31.03	24.10	1482.
125	8.62	31.09	24.15	1482.
150	8.63	31.09	24.14	1483.
175	8.63	31.11	24.16	1483.
200	8.62	31.13	24.18	1484.
225	8.63	31.19	24.22	1484.

STATION J 8 CRUISE 77-15 CONS #239
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 8: 0:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.46	30.53	23.73	1479.
10	8.49	30.58	23.76	1479.
20	8.53	30.64	23.80	1480.
30	8.53	30.67	23.83	1480.
50	8.54	30.75	23.89	1480.
75	8.58	30.90	24.00	1481.
100	8.62	31.08	24.14	1482.
125	8.62	31.08	24.14	1482.
150	8.62	31.10	24.15	1483.
175	8.62	31.10	24.15	1483.
200	8.62	31.11	24.16	1483.
225	8.62	31.14	24.18	1484.

STATION J 8 CRUISE 77-15 CONS #241
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 8:59:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.51	30.71	23.86	1479.
10	8.50	30.68	23.84	1479.
20	8.51	30.66	23.83	1480.
30	8.51	30.67	23.83	1480.
50	8.56	30.81	23.94	1480.
75	8.59	30.96	24.05	1481.
100	8.61	30.98	24.06	1482.
125	8.61	31.10	24.15	1482.
150	8.61	31.16	24.20	1483.
175	8.61	31.20	24.23	1483.
200	8.61	31.22	24.25	1484.
225	8.62	31.24	24.26	1484.
250	8.64	31.26	24.27	1485.

STATION J 8 CRUISE 77-15 CONS #243
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 9:54:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.46	30.63	23.81	1479.
10	8.48	30.64	23.82	1479.
20	8.51	30.67	23.83	1480.
30	8.56	30.82	23.94	1480.
50	8.59	30.91	24.01	1481.
75	8.61	31.02	24.09	1481.
100	8.62	31.06	24.12	1482.
125	8.60	31.14	24.18	1482.
150	8.56	31.17	24.21	1483.
175	8.60	31.18	24.22	1483.
200	8.61	31.21	24.24	1484.
225	8.63	31.24	24.26	1484.

STATION J 8 CRUISE 77-15 CONS #245
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 10:56:22 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.47	30.61	23.79	1479.
10	8.45	30.64	23.82	1479.
20	8.45	30.64	23.82	1479.
30	8.50	30.65	23.82	1480.
50	8.53	30.79	23.93	1480.
75	8.60	31.02	24.09	1481.
100	8.62	31.07	24.13	1482.
125	8.59	31.16	24.20	1482.
150	8.59	31.21	24.24	1483.
175	8.61	31.25	24.27	1483.
200	8.63	31.28	24.29	1484.
225	8.64	31.28	24.29	1484.
250	8.64	31.27	24.28	1485.

STATION J 8 CRUISE 77-15 CONS #247
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 12:21:22 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.43	30.57	23.77	1479.
10	8.47	30.65	23.82	1479.
20	8.52	30.76	23.90	1480.
30	8.54	30.77	23.90	1480.
50	8.61	30.99	24.07	1481.
75	8.60	31.09	24.15	1481.
100	8.59	31.16	24.20	1482.
125	8.58	31.16	24.21	1482.
150	8.61	31.20	24.23	1483.
175	8.60	31.21	24.24	1483.
200	8.62	31.24	24.26	1484.
225	8.63	31.26	24.27	1484.

STATION J 8 CRUISE 77-15 CONS #249
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 13: 2:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.44	30.58	23.77	1479.
10	8.46	30.61	23.79	1479.
20	8.49	30.70	23.86	1480.
30	8.52	30.76	23.90	1480.
50	8.61	31.02	24.09	1481.
75	8.59	31.08	24.14	1481.
100	8.59	31.09	24.15	1482.
125	8.59	31.15	24.19	1482.
150	8.59	31.18	24.22	1483.
175	8.59	31.19	24.23	1483.
200	8.60	31.21	24.24	1484.
225	8.62	31.24	24.26	1484.
250	8.63	31.26	24.28	1485.

STATION J 8 CRUISE 77-15 CONS #251
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 13:57:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.43	30.56	23.76	1479.
10	8.47	30.61	23.79	1479.
20	8.50	30.67	23.84	1480.
30	8.59	30.87	23.98	1480.
50	8.61	31.03	24.10	1481.
75	8.59	31.08	24.14	1481.
100	8.57	31.14	24.19	1482.
125	8.58	31.19	24.23	1482.
150	8.58	31.19	24.22	1483.
175	8.60	31.23	24.25	1483.
200	8.60	31.23	24.26	1484.
225	8.61	31.22	24.25	1484.
250	8.62	31.24	24.26	1484.

STATION J 8 CRUISE 77-15 CONS #253
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 14:56: 4 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.48	30.74	23.89	1479.
10	8.49	30.73	23.88	1479.
20	8.50	30.71	23.86	1480.
30	8.51	30.71	23.86	1480.
50	8.55	30.77	23.91	1480.
75	8.60	30.94	24.03	1481.
100	8.61	31.06	24.12	1482.
125	8.59	31.11	24.16	1482.
150	8.59	31.19	24.22	1483.
175	8.60	31.19	24.23	1483.
200	8.60	31.19	24.22	1484.
225	8.61	31.22	24.24	1484.
250	8.62	31.21	24.24	1484.

STATION J 8 CRUISE 77-15 CONS #255
 POSITION 50-27.5N 126- 3.5W
 DATE 77/11/21 TIME 15:59:25 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.44	30.65	23.82	1479.
10	8.48	30.67	23.84	1479.
20	8.50	30.71	23.87	1480.
30	8.52	30.75	23.89	1480.
50	8.54	30.77	23.90	1480.
75	8.55	30.79	23.92	1481.
100	8.60	31.05	24.12	1482.
125	8.60	31.12	24.17	1482.
150	8.60	31.13	24.18	1483.
175	8.60	31.14	24.19	1483.
200	8.61	31.19	24.22	1484.
225	8.61	31.18	24.21	1484.

STATION J 8 CRUISE 77-15 CONS #257
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 16:57: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.48	30.74	23.89	1479.
10	8.49	30.73	23.88	1479.
20	8.49	30.74	23.89	1480.
30	8.49	30.74	23.89	1480.
50	8.53	30.81	23.93	1480.
75	8.56	30.88	23.99	1481.
100	8.57	30.89	23.99	1481.
125	8.59	31.07	24.13	1482.
150	8.59	31.10	24.16	1483.
175	8.60	31.12	24.17	1483.
200	8.60	31.14	24.19	1483.
225	8.61	31.18	24.21	1484.
250	8.62	31.20	24.23	1484.

STATION J 8 CRUISE 77-15 CONS #259
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 17:56:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.48	30.68	23.84	1479.
10	8.51	30.70	23.85	1479.
20	8.50	30.68	23.84	1480.
30	8.52	30.70	23.85	1480.
50	8.53	30.71	23.86	1480.
75	8.54	30.72	23.87	1481.
100	8.58	30.96	24.05	1482.
125	8.58	31.01	24.09	1482.
150	8.60	31.05	24.11	1483.
175	8.60	31.07	24.13	1483.
200	8.61	31.10	24.15	1483.
225	8.62	31.13	24.18	1484.
250	8.62	31.13	24.17	1484.

STATION J 8 CRUISE 77-15 CONS #261
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 18:59: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.52	30.71	23.86	1479.
10	8.53	30.70	23.85	1480.
20	8.53	30.71	23.86	1480.
30	8.54	30.72	23.87	1480.
50	8.55	30.80	23.93	1480.
75	8.56	30.82	23.94	1481.
100	8.56	30.87	23.98	1481.
125	8.57	30.89	23.99	1482.
150	8.57	30.89	23.99	1482.
175	8.58	30.88	23.99	1483.
200	8.59	30.91	24.01	1483.
225	8.59	30.90	24.00	1484.
250	8.62	31.12	24.17	1484.

STATION J 8 CRUISE 77-15 CONS #263
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 19:55:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.50	30.72	23.88	1479.
10	8.50	30.70	23.86	1479.
20	8.53	30.73	23.87	1480.
30	8.53	30.72	23.87	1480.
50	8.54	30.77	23.91	1480.
75	8.56	30.82	23.95	1481.
100	8.56	30.84	23.96	1481.
125	8.58	30.99	24.07	1482.
150	8.59	31.03	24.10	1482.
175	8.60	31.10	24.15	1483.
200	8.61	31.13	24.18	1483.
225	8.61	31.14	24.18	1484.

STATION J 8 CRUISE 77-15 CONS #265
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 20:56: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.50	30.65	23.82	1479.
10	8.49	30.67	23.84	1479.
20	8.53	30.71	23.86	1480.
30	8.54	30.74	23.88	1480.
50	8.55	30.74	23.88	1480.
75	8.55	30.78	23.91	1481.
100	8.57	30.92	24.02	1481.
125	8.59	30.98	24.06	1482.
150	8.60	31.03	24.10	1482.
175	8.59	31.14	24.19	1483.
200	8.60	31.16	24.20	1483.
225	8.61	31.19	24.22	1484.
250	8.62	31.21	24.24	1484.

STATION J 8 CRUISE 77-15 CONS #267
 POSITION 50-26.5N 126- 3.4W
 DATE 77/11/21 TIME 21:54:48 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.43	30.67	23.84	1479.
10	8.49	30.70	23.85	1479.
20	8.53	30.74	23.89	1480.
30	8.54	30.77	23.90	1480.
50	8.56	30.89	23.99	1481.
75	8.57	30.91	24.01	1481.
100	8.58	30.95	24.04	1481.
125	8.62	31.03	24.10	1482.
150	8.61	31.07	24.13	1483.
175	8.60	31.11	24.17	1483.
200	8.60	31.19	24.22	1484.
225	8.61	31.20	24.23	1484.
250	8.63	31.25	24.27	1485.

STATION J 8 CRUISE 77-15 CONS #269
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 22:56:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.44	30.77	23.92	1479.
10	8.45	30.76	23.91	1479.
20	8.53	30.76	23.90	1480.
30	8.54	30.78	23.92	1480.
50	8.54	30.84	23.96	1480.
75	8.55	30.85	23.97	1481.
100	8.61	31.03	24.10	1482.
125	8.60	31.12	24.17	1482.
150	8.60	31.16	24.20	1483.
175	8.60	31.18	24.22	1483.
200	8.61	31.20	24.23	1484.
225	8.63	31.26	24.27	1484.

STATION J 8 CRUISE 77-15 CONS #271
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/21 TIME 23:56: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.45	30.64	23.82	1479.
10	8.48	30.65	23.82	1479.
20	8.51	30.74	23.89	1480.
30	8.51	30.78	23.92	1480.
50	8.54	30.84	23.96	1480.
75	8.56	30.87	23.98	1481.
100	8.60	31.03	24.10	1482.
125	8.59	31.10	24.15	1482.
150	8.60	31.12	24.17	1483.
175	8.59	31.15	24.19	1483.
200	8.60	31.18	24.22	1484.
225	8.62	31.24	24.26	1484.
250	8.62	31.25	24.27	1484.

STATION J 8 CRUISE 77-15 CONS #273
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/22 TIME 1: 0:13 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.44	30.66	23.83	1479.
10	8.45	30.64	23.82	1479.
20	8.51	30.78	23.92	1480.
30	8.54	30.81	23.94	1480.
50	8.58	30.97	24.06	1481.
75	8.59	31.08	24.14	1481.
100	8.57	31.08	24.15	1482.
125	8.56	31.13	24.19	1482.
150	8.57	31.15	24.20	1483.
175	8.57	31.18	24.22	1483.
200	8.60	31.21	24.24	1484.
225	8.62	31.24	24.26	1484.
250	8.63	31.26	24.28	1485.

STATION J 8 CRUISE 77-15 CONS #275
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/22 TIME 1:55:47 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.42	30.69	23.86	1479.
10	8.44	30.68	23.85	1479.
20	8.49	30.76	23.90	1480.
30	8.52	30.79	23.93	1480.
50	8.58	31.01	24.09	1481.
75	8.58	31.07	24.13	1481.
100	8.56	31.11	24.17	1482.
125	8.56	31.16	24.21	1482.
150	8.57	31.20	24.24	1483.
175	8.60	31.24	24.26	1483.
200	8.62	31.26	24.27	1484.
225	8.62	31.25	24.27	1484.
250	8.62	31.27	24.28	1485.

STATION J 8 CRUISE 77-15 CONS #277
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/22 TIME 2:57: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.36	30.70	23.88	1479.
10	8.43	30.69	23.86	1479.
20	8.49	30.79	23.93	1480.
30	8.54	30.85	23.97	1480.
50	8.59	31.03	24.10	1481.
75	8.59	31.04	24.11	1481.
100	8.59	31.11	24.17	1482.
125	8.59	31.19	24.23	1482.
150	8.58	31.19	24.23	1483.
175	8.59	31.22	24.25	1483.
200	8.60	31.24	24.26	1484.
225	8.61	31.23	24.25	1484.
250	8.61	31.22	24.25	1484.

STATION J 8 CRUISE 77-15 CONS #279
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/22 TIME 4: 6: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.36	30.69	23.87	1479.
10	8.42	30.69	23.86	1479.
20	8.46	30.71	23.87	1479.
30	8.48	30.73	23.88	1480.
50	8.48	30.76	23.91	1480.
75	8.59	31.04	24.11	1481.
100	8.57	31.13	24.18	1482.
125	8.56	31.13	24.18	1482.
150	8.58	31.17	24.21	1483.
175	8.59	31.24	24.26	1483.
200	8.60	31.24	24.26	1484.
225	8.60	31.22	24.25	1484.
250	8.61	31.23	24.25	1484.

STATION J 8 CRUISE 77-15 CONS #281
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/22 TIME 5: 1:48 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.42	30.75	23.90	1479.
10	8.44	30.73	23.89	1479.
20	8.50	30.78	23.92	1480.
30	8.52	30.84	23.97	1480.
50	8.56	30.91	24.01	1481.
75	8.56	30.99	24.07	1481.
100	8.59	31.06	24.13	1482.
125	8.58	31.12	24.18	1482.
150	8.58	31.17	24.21	1483.
175	8.58	31.18	24.22	1483.
200	8.58	31.18	24.22	1483.
225	8.59	31.20	24.23	1484.

STATION J 8 CRUISE 77-15 CONS #283
 POSITION 50-27.5N 126- 3.4W
 DATE 77/11/22 TIME 5:56: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.45	30.84	23.97	1479.
10	8.44	30.80	23.94	1479.
20	8.44	30.77	23.92	1479.
30	8.46	30.78	23.92	1480.
50	8.46	30.78	23.93	1480.
75	8.53	30.86	23.97	1481.
100	8.55	30.88	23.99	1481.
125	8.57	30.94	24.04	1482.
150	8.58	31.04	24.11	1482.
175	8.58	31.14	24.19	1483.
200	8.60	31.18	24.22	1483.
225	8.62	31.23	24.25	1484.
250	8.63	31.23	24.26	1484.

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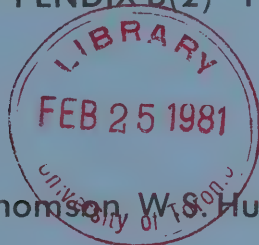
DATA RECORD OF CURRENT OBSERVATIONS

VOLUME VIII

DISCOVERY PASSAGE, JOHNSTONE STRAIT AND QUEEN CHARLOTTE STRAIT

PART 2 - APPENDICES (LISTING OF WATER PROPERTY DATA)

APPENDIX B(2) - 1978 and 1979



by R.E. Thomson, W.S. Huggett and L.S.C. Kuwahara

INSTITUTE OF OCEAN SCIENCES



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1980

APPENDIX B

Listings of physical properties, time-series stations: temperatures, salinity, sigma-t and sound speed.

Units are: depth -- metres; temperature -- degrees celsius; salinity -- parts per thousand; sigma-t -- no units; sound speed -- metres per second. The header for each cast in the time-series has the same format as Appendix A (page 1) and Appendix B (page 432).

STATION J 13 CRUISE 78-15 CONS # 53
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 12:49:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.52	30.88	23.99	1480.
10	8.51	30.88	24.00	1480.
20	8.50	30.90	24.01	1480.
30	8.50	30.89	24.00	1480.
50	8.48	30.95	24.06	1480.
75	8.41	31.07	24.15	1481.
100	8.41	31.12	24.20	1481.
125	8.38	31.27	24.32	1482.
150	8.38	31.30	24.34	1482.
175	8.38	31.36	24.39	1482.
200	8.38	31.37	24.40	1483.
225	8.38	31.38	24.40	1483.
250	8.36	31.42	24.44	1484.
275	8.36	31.41	24.43	1484.
300	8.36	31.44	24.45	1485.
325	8.37	31.46	24.47	1485.
350	8.36	31.46	24.47	1485.
375	8.35	31.48	24.48	1486.
400	8.35	31.50	24.50	1486.
425	8.35	31.50	24.51	1487.
450	8.36	31.53	24.53	1487.

STATION J 13 CRUISE 78-15 CONS # 54
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 13:32:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.53	30.92	24.03	1480.
10	8.50	30.92	24.03	1480.
20	8.50	30.88	24.00	1480.
30	8.50	30.90	24.02	1480.
50	8.43	31.02	24.12	1480.
75	8.42	31.09	24.17	1481.
100	8.37	31.21	24.27	1481.
125	8.38	31.28	24.33	1482.
150	8.39	31.32	24.35	1482.
175	8.39	31.34	24.37	1482.
200	8.38	31.37	24.39	1483.
225	8.38	31.37	24.40	1483.
250	8.37	31.37	24.40	1484.
275	8.37	31.41	24.43	1484.
300	8.38	31.41	24.43	1485.
325	8.37	31.45	24.46	1485.
350	8.37	31.45	24.46	1485.
375	8.36	31.48	24.48	1486.
400	8.35	31.46	24.47	1486.
425	8.36	31.48	24.48	1487.

STATION J 13 CRUISE 78-15 CONS # 55
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 14:32: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.59	30.83	23.95	1480.
10	8.55	30.88	23.99	1480.
20	8.54	30.89	24.00	1480.
30	8.52	30.89	24.00	1480.
50	8.51	30.89	24.01	1480.
75	8.44	30.99	24.09	1481.
100	8.43	31.07	24.16	1481.
125	8.44	31.09	24.17	1482.
150	8.42	31.18	24.24	1482.
175	8.38	31.32	24.36	1482.
200	8.39	31.35	24.38	1483.
225	8.39	31.37	24.40	1483.
250	8.39	31.36	24.38	1484.
275	8.37	31.41	24.43	1484.
300	8.37	31.40	24.42	1485.
325	8.36	31.43	24.45	1485.
350	8.35	31.47	24.48	1485.
375	8.35	31.46	24.48	1486.
400	8.35	31.49	24.50	1486.
425	8.35	31.47	24.48	1487.

STATION J 13 CRUISE 78-15 CONS # 56
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 15: 2:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.55	30.83	23.95	1480.
10	8.53	30.85	23.97	1480.
20	8.52	30.85	23.97	1480.
30	8.51	30.87	23.99	1480.
50	8.47	31.02	24.11	1480.
75	8.45	31.09	24.17	1481.
100	8.42	31.17	24.24	1481.
125	8.41	31.22	24.28	1482.
150	8.41	31.23	24.28	1482.
175	8.41	31.25	24.30	1482.
200	8.40	31.28	24.32	1483.
225	8.40	31.29	24.34	1483.
250	8.40	31.31	24.35	1484.
275	8.40	31.31	24.35	1484.
300	8.41	31.33	24.37	1485.
325	8.41	31.35	24.37	1485.
350	8.41	31.37	24.39	1485.
375	8.40	31.37	24.40	1486.
400	8.40	31.37	24.40	1486.
425	8.40	31.36	24.39	1487.

STATION J 13 CRUISE 78-15 CONS # 57
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 15:31: 4 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.61	30.84	23.95	1480.
10	8.55	30.88	23.99	1480.
20	8.54	30.89	24.00	1480.
30	8.49	30.92	24.03	1480.
50	8.47	30.94	24.05	1480.
75	8.47	31.04	24.13	1481.
100	8.42	31.18	24.24	1481.
125	8.39	31.26	24.31	1482.
150	8.41	31.24	24.29	1482.
175	8.41	31.25	24.30	1482.
200	8.39	31.30	24.34	1483.
225	8.38	31.35	24.38	1483.
250	8.41	31.28	24.32	1484.
275	8.40	31.33	24.37	1484.
300	8.34	31.42	24.45	1484.
325	8.38	31.38	24.41	1485.
350	8.37	31.39	24.42	1485.
375	8.38	31.40	24.42	1486.
400	8.37	31.39	24.41	1486.
425	8.34	31.47	24.48	1487.

STATION J 13 CRUISE 78-15 CONS # 58
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 16: 3:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.56	30.83	23.95	1480.
10	8.55	30.85	23.97	1480.
20	8.53	30.87	23.99	1480.
30	8.44	31.04	24.13	1480.
50	8.43	31.10	24.18	1480.
75	8.48	31.00	24.09	1481.
100	8.42	31.19	24.25	1481.
125	8.42	31.23	24.29	1482.
150	8.39	31.29	24.34	1482.
175	8.42	31.24	24.29	1483.
200	8.43	31.24	24.29	1483.
225	8.42	31.30	24.34	1483.
250	8.43	31.27	24.31	1484.
275	8.40	31.31	24.35	1484.
300	8.42	31.29	24.33	1485.
325	8.31	31.50	24.51	1485.
350	8.29	31.52	24.53	1485.
375	8.27	31.56	24.56	1486.
400	8.24	31.64	24.63	1486.
425	8.22	31.67	24.65	1486.

STATION J 13 CRUISE 78-15 CONS # 59
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 16:32:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.59	30.91	24.01	1480.
10	8.57	30.85	23.96	1480.
20	8.48	30.97	24.07	1480.
30	8.47	31.00	24.10	1480.
50	8.46	31.04	24.13	1480.
75	8.40	31.23	24.29	1481.
100	8.44	31.15	24.22	1481.
125	8.44	31.14	24.21	1482.
150	8.40	31.27	24.32	1482.
175	8.43	31.27	24.31	1483.
200	8.38	31.35	24.39	1483.
225	8.37	31.37	24.40	1483.
250	8.39	31.36	24.39	1484.
275	8.37	31.39	24.41	1484.
300	8.34	31.41	24.44	1484.
325	8.37	31.40	24.42	1485.
350	8.31	31.48	24.49	1485.
375	8.32	31.47	24.49	1486.
400	8.27	31.57	24.57	1486.
425	8.18	31.74	24.72	1486.

STATION J 13 CRUISE 78-15 CONS # 60
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 17: 0:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.51	30.96	24.06	1480.
10	8.48	31.00	24.10	1480.
20	8.47	31.02	24.11	1480.
30	8.49	31.00	24.09	1480.
50	8.48	31.05	24.13	1480.
75	8.47	31.10	24.17	1481.
100	8.43	31.20	24.26	1481.
125	8.43	31.21	24.26	1482.
150	8.39	31.28	24.32	1482.
175	8.35	31.40	24.42	1482.
200	8.34	31.39	24.42	1483.
225	8.33	31.44	24.46	1483.
250	8.33	31.46	24.48	1484.
275	8.34	31.44	24.46	1484.
300	8.35	31.43	24.45	1484.
325	8.32	31.47	24.49	1485.
350	8.31	31.43	24.49	1485.
375	8.26	31.56	24.56	1486.
400	8.25	31.61	24.60	1486.
425	8.26	31.59	24.59	1486.

STATION J 13 CRUISE 78-15 CONS # 61
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 17:31:36 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.46	31.09	24.17	1480.
10	8.45	31.16	24.23	1480.
20	8.45	31.13	24.20	1480.
30	8.45	31.15	24.21	1480.
50	8.45	31.14	24.21	1480.
75	8.43	31.21	24.27	1481.
100	8.42	31.23	24.28	1481.
125	8.40	31.27	24.31	1482.
150	8.41	31.27	24.31	1482.
175	8.40	31.30	24.34	1483.
200	8.34	31.42	24.44	1483.
225	8.31	31.47	24.49	1483.
250	8.28	31.52	24.53	1484.
275	8.29	31.54	24.54	1484.
300	8.22	31.64	24.63	1484.
325	8.25	31.60	24.60	1485.
350	8.21	31.68	24.66	1485.
375	8.28	31.56	24.56	1486.
400	8.29	31.57	24.57	1486.
425	8.29	31.57	24.57	1486.

STATION J 13 CRUISE 78-15 CONS # 62
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 18: 2:49 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.55	30.92	24.02	1480.
10	8.55	30.91	24.01	1480.
20	8.53	30.89	24.00	1480.
30	8.53	30.90	24.01	1480.
50	8.54	30.92	24.02	1481.
75	8.42	31.27	24.31	1481.
100	8.43	31.25	24.30	1481.
125	8.38	31.33	24.37	1482.
150	8.35	31.39	24.42	1482.
175	8.34	31.41	24.44	1482.
200	8.34	31.42	24.44	1483.
225	8.35	31.40	24.43	1483.
250	8.36	31.42	24.44	1484.
275	8.31	31.50	24.51	1484.
300	8.29	31.57	24.57	1484.
325	8.30	31.53	24.53	1485.
350	8.30	31.54	24.54	1485.
375	8.29	31.58	24.57	1486.
400	8.30	31.55	24.55	1486.
425	8.30	31.57	24.56	1487.
450	8.29	31.59	24.58	1487.

STATION J 13 CRUISE 78-15 CONS # 63
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 18:31:43 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.53	30.86	23.98	1480.
10	8.52	30.90	24.01	1480.
20	8.50	30.94	24.04	1480.
30	8.50	30.96	24.06	1480.
50	8.45	31.09	24.17	1480.
75	8.40	31.25	24.30	1481.
100	8.40	31.29	24.33	1481.
125	8.40	31.28	24.33	1482.
150	8.38	31.33	24.37	1482.
175	8.38	31.34	24.37	1482.
200	8.38	31.36	24.39	1483.
225	8.38	31.35	24.39	1483.
250	8.35	31.41	24.43	1484.
275	8.31	31.51	24.51	1484.
300	8.32	31.47	24.48	1484.
325	8.32	31.51	24.52	1485.
350	8.31	31.53	24.54	1485.
375	8.31	31.54	24.54	1486.
400	8.30	31.57	24.56	1486.
425	8.27	31.64	24.62	1487.

STATION J 13 CRUISE 78-15 CONS # 64
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 19: 2:25 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.53	30.87	23.98	1480.
10	8.55	30.88	23.99	1480.
20	8.52	30.92	24.02	1480.
30	8.51	30.94	24.04	1480.
50	8.48	31.01	24.10	1480.
75	8.46	31.08	24.16	1481.
100	8.46	31.10	24.17	1481.
125	8.45	31.14	24.21	1482.
150	8.42	31.26	24.31	1482.
175	8.37	31.37	24.40	1482.
200	8.33	31.44	24.46	1483.
225	8.32	31.48	24.49	1483.
250	8.30	31.51	24.52	1484.
275	8.30	31.52	24.53	1484.
300	8.30	31.54	24.54	1484.
325	8.29	31.55	24.55	1485.
350	8.28	31.59	24.58	1485.
375	8.28	31.60	24.60	1486.
400	8.26	31.64	24.63	1486.
425	8.27	31.63	24.62	1487.
450	8.27	31.66	24.64	1487.

STATION J 13 CRUISE 78-15 CONS # 65
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 19:29:51 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.57	30.87	23.98	1480.
10	8.56	30.85	23.96	1480.
20	8.54	30.89	24.00	1480.
30	8.51	30.93	24.04	1480.
50	8.48	31.00	24.09	1480.
75	8.47	31.03	24.12	1481.
100	8.46	31.11	24.18	1481.
125	8.45	31.15	24.22	1482.
150	8.45	31.19	24.24	1482.
175	8.43	31.24	24.29	1483.
200	8.41	31.32	24.36	1483.
225	8.38	31.40	24.42	1483.
250	8.36	31.43	24.45	1484.
275	8.31	31.51	24.52	1484.
300	8.29	31.59	24.58	1484.
325	8.29	31.55	24.55	1485.
350	8.27	31.60	24.60	1485.
375	8.24	31.65	24.63	1486.
400	8.23	31.70	24.68	1486.
425	8.24	31.68	24.66	1486.

STATION J 13 CRUISE 78-15 CONS # 66
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 20: 2:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.59	30.89	23.99	1480.
10	8.49	30.95	24.06	1480.
20	8.45	31.03	24.12	1480.
30	8.44	31.09	24.17	1480.
50	8.43	31.15	24.21	1480.
75	8.43	31.17	24.23	1481.
100	8.44	31.17	24.23	1481.
125	8.42	31.25	24.30	1482.
150	8.39	31.32	24.36	1482.
175	8.38	31.36	24.39	1482.
200	8.35	31.41	24.43	1483.
225	8.36	31.41	24.43	1483.
250	8.32	31.50	24.51	1484.
275	8.30	31.52	24.52	1484.
300	8.29	31.55	24.55	1484.
325	8.30	31.55	24.55	1485.
350	8.29	31.58	24.57	1485.
375	8.28	31.58	24.58	1486.
400	8.27	31.65	24.63	1486.
425	8.24	31.69	24.67	1486.

STATION J 13 CRUISE 78-15 CONS # 67
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 20:29:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.58	30.91	24.01	1480.
10	8.44	31.09	24.17	1480.
20	8.43	31.08	24.17	1480.
30	8.42	31.17	24.24	1480.
50	8.42	31.19	24.25	1480.
75	8.43	31.21	24.27	1481.
100	8.43	31.20	24.25	1481.
125	8.41	31.27	24.31	1482.
150	8.40	31.29	24.33	1482.
175	8.41	31.29	24.33	1483.
200	8.40	31.31	24.35	1483.
225	8.38	31.38	24.41	1483.
250	8.38	31.39	24.42	1484.
275	8.37	31.43	24.45	1484.
300	8.36	31.44	24.46	1485.
325	8.29	31.56	24.56	1485.
350	8.27	31.60	24.60	1485.
375	8.27	31.62	24.61	1486.
400	8.25	31.64	24.63	1486.
425	8.26	31.63	24.62	1486.

STATION J 13 CRUISE 78-15 CONS # 68
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 21:28: 4 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.45	31.07	24.15	1480.
10	8.44	31.00	24.10	1480.
20	8.42	31.14	24.22	1480.
30	8.42	31.17	24.23	1480.
50	8.42	31.21	24.27	1480.
75	8.40	31.27	24.31	1481.
100	8.40	31.28	24.32	1481.
125	8.37	31.34	24.38	1482.
150	8.35	31.36	24.40	1482.
175	8.35	31.39	24.42	1482.
200	8.35	31.39	24.42	1483.
225	8.35	31.42	24.44	1483.
250	8.33	31.45	24.47	1484.
275	8.34	31.45	24.46	1484.
300	8.34	31.45	24.47	1485.
325	8.33	31.49	24.50	1485.
350	8.32	31.50	24.51	1485.
375	8.31	31.54	24.54	1486.
400	8.25	31.67	24.65	1486.
425	8.25	31.66	24.65	1486.

STATION J 13 CRUISE 78-15 CONS # 69
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 22:28:28 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.46	27.37	21.26	1475.
10	8.44	31.00	24.10	1480.
20	8.44	31.03	24.13	1480.
30	8.43	31.01	24.11	1480.
50	8.43	31.02	24.12	1480.
75	8.42	31.13	24.21	1481.
100	8.41	31.24	24.29	1481.
125	8.41	31.23	24.29	1482.
150	8.42	31.24	24.29	1482.
175	8.38	31.32	24.36	1482.
200	8.38	31.34	24.37	1483.
225	8.37	31.35	24.38	1483.
250	8.35	31.41	24.44	1484.
275	8.35	31.42	24.44	1484.
300	8.34	31.46	24.47	1484.
325	8.33	31.49	24.50	1485.
350	8.30	31.51	24.52	1485.
375	8.29	31.57	24.57	1486.
400	8.28	31.60	24.59	1486.
425	8.28	31.61	24.60	1487.

STATION J 13 CRUISE 78-15 CONS # 70
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/26 TIME 23:30:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.46	30.97	24.07	1479.
10	8.43	31.02	24.12	1480.
20	8.43	31.04	24.13	1480.
30	8.42	31.06	24.15	1480.
50	8.41	31.07	24.16	1480.
75	8.40	31.14	24.21	1481.
100	8.40	31.23	24.28	1481.
125	8.39	31.25	24.30	1482.
150	8.38	31.28	24.33	1482.
175	8.35	31.37	24.40	1482.
200	8.34	31.41	24.43	1483.
225	8.33	31.42	24.44	1483.
250	8.32	31.47	24.48	1484.
275	8.33	31.47	24.49	1484.
300	8.32	31.48	24.49	1484.
325	8.29	31.57	24.57	1485.
350	8.29	31.58	24.58	1485.
375	8.28	31.61	24.60	1486.
400	8.25	31.65	24.64	1486.
425	8.25	31.68	24.66	1486.

STATION J 13 CRUISE 78-15 CONS # 71
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 0:30:36 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.53	30.92	24.02	1480.
10	8.49	30.94	24.05	1480.
20	8.48	30.99	24.09	1480.
30	8.46	31.02	24.11	1480.
50	8.42	31.11	24.19	1480.
75	8.39	31.17	24.24	1481.
100	8.39	31.26	24.31	1481.
125	8.38	31.30	24.34	1482.
150	8.36	31.34	24.38	1482.
175	8.36	31.36	24.39	1482.
200	8.35	31.39	24.42	1483.
225	8.33	31.41	24.43	1483.
250	8.32	31.47	24.48	1484.
275	8.31	31.49	24.50	1484.
300	8.31	31.50	24.51	1484.
325	8.29	31.54	24.55	1485.
350	8.28	31.59	24.58	1485.
375	8.28	31.58	24.58	1486.
400	8.28	31.59	24.59	1486.
425	8.29	31.59	24.59	1487.
450	8.27	31.64	24.63	1487.

STATION J 13 CRUISE 78-15 CONS # 72
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 1:30: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.47	30.96	24.07	1479.
10	8.46	30.97	24.07	1480.
20	8.47	30.97	24.07	1480.
30	8.47	30.97	24.07	1480.
50	8.46	31.02	24.12	1480.
75	8.39	31.20	24.26	1481.
100	8.39	31.22	24.28	1481.
125	8.38	31.29	24.34	1482.
150	8.37	31.32	24.36	1482.
175	8.35	31.38	24.41	1482.
200	8.33	31.40	24.43	1483.
225	8.32	31.43	24.45	1483.
250	8.32	31.47	24.48	1484.
275	8.32	31.47	24.49	1484.
300	8.31	31.50	24.51	1484.
325	8.31	31.51	24.52	1485.
350	8.30	31.52	24.53	1485.
375	8.29	31.56	24.56	1486.
400	8.29	31.58	24.58	1486.
425	8.30	31.59	24.58	1487.
450	8.30	31.58	24.57	1487.

STATION J 13 CRUISE 78-15 CONS # 73
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 2:31: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.49	30.96	24.06	1480.
10	8.47	30.96	24.07	1480.
20	8.48	30.96	24.07	1480.
30	8.47	30.95	24.05	1480.
50	8.46	30.99	24.09	1480.
75	8.41	31.13	24.21	1481.
100	8.39	31.22	24.28	1481.
125	8.37	31.30	24.34	1482.
150	8.37	31.32	24.36	1482.
175	8.35	31.35	24.39	1482.
200	8.34	31.40	24.43	1483.
225	8.34	31.41	24.43	1483.
250	8.34	31.42	24.44	1484.
275	8.32	31.48	24.50	1484.
300	8.30	31.52	24.53	1484.
325	8.30	31.53	24.53	1485.
350	8.30	31.54	24.55	1485.
375	8.30	31.55	24.55	1486.
400	8.31	31.54	24.54	1486.
425	8.31	31.57	24.56	1487.
450	8.30	31.58	24.57	1487.

STATION J 13 CRUISE 78-15 CONS # 74
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 3:32:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.52	30.84	23.97	1480.
10	8.49	30.91	24.03	1480.
20	8.48	30.94	24.05	1480.
30	8.48	30.94	24.05	1480.
50	8.48	30.95	24.06	1480.
75	8.43	31.08	24.17	1481.
100	8.40	31.17	24.24	1481.
125	8.38	31.28	24.33	1482.
150	8.37	31.33	24.37	1482.
175	8.37	31.33	24.37	1482.
200	8.36	31.37	24.40	1483.
225	8.36	31.36	24.40	1483.
250	8.35	31.41	24.43	1484.
275	8.33	31.47	24.48	1484.
300	8.33	31.47	24.49	1484.
325	8.32	31.50	24.51	1485.
350	8.32	31.53	24.53	1485.
375	8.33	31.52	24.52	1486.
400	8.33	31.53	24.53	1486.
425	8.33	31.54	24.54	1487.

STATION J 13 CRUISE 78-15 CONS # 75
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 4:32:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.61	30.90	24.00	1480.
10	8.48	30.94	24.05	1480.
20	8.48	30.94	24.05	1480.
30	8.48	30.96	24.06	1480.
50	8.48	30.95	24.06	1480.
75	8.44	31.03	24.12	1481.
100	8.43	31.10	24.18	1481.
125	8.42	31.19	24.25	1482.
150	8.39	31.26	24.31	1482.
175	8.38	31.31	24.35	1482.
200	8.37	31.31	24.35	1483.
225	8.37	31.35	24.39	1483.
250	8.36	31.39	24.41	1484.
275	8.36	31.39	24.42	1484.
300	8.35	31.43	24.45	1485.
325	8.35	31.45	24.46	1485.
350	8.36	31.43	24.45	1485.
375	8.36	31.44	24.46	1486.
400	8.36	31.48	24.48	1486.
425	8.35	31.51	24.51	1487.
450	8.35	31.51	24.51	1487.

STATION J 13 CRUISE 78-15 CONS # 76
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 5:31:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.58	30.85	23.96	1480.
10	8.50	30.89	24.01	1480.
20	8.49	30.93	24.04	1480.
30	8.49	30.92	24.03	1480.
50	8.46	30.97	24.08	1480.
75	8.45	31.02	24.11	1481.
100	8.44	31.08	24.16	1481.
125	8.42	31.17	24.24	1482.
150	8.41	31.19	24.26	1482.
175	8.40	31.23	24.29	1482.
200	8.41	31.23	24.29	1483.
225	8.38	31.33	24.37	1483.
250	8.39	31.34	24.37	1484.
275	8.39	31.32	24.36	1484.
300	8.40	31.32	24.36	1485.
325	8.40	31.36	24.39	1485.
350	8.39	31.36	24.39	1485.
375	8.39	31.39	24.41	1486.
400	8.38	31.40	24.42	1486.
425	8.34	31.47	24.48	1487.

STATION J 13 CRUISE 78-15 CONS # 77
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 6:30:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.53	30.93	24.03	1480.
10	8.50	30.90	24.01	1480.
20	8.50	30.90	24.02	1480.
30	8.48	30.93	24.04	1480.
50	8.45	31.00	24.10	1480.
75	8.41	31.17	24.24	1481.
100	8.41	31.18	24.24	1481.
125	8.39	31.22	24.27	1482.
150	8.39	31.25	24.31	1482.
175	8.38	31.29	24.33	1482.
200	8.38	31.30	24.34	1483.
225	8.39	31.35	24.38	1483.
250	8.38	31.35	24.38	1484.
275	8.38	31.34	24.37	1484.
300	8.39	31.36	24.39	1485.
325	8.39	31.35	24.38	1485.
350	8.38	31.35	24.38	1485.
375	8.39	31.35	24.38	1486.
400	8.38	31.39	24.41	1486.
425	8.37	31.42	24.44	1487.

STATION J 13 CRUISE 78-15 CONS # 78
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 7: 5:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.54	30.89	24.00	1480.
10	8.50	30.92	24.03	1480.
20	8.48	30.92	24.03	1480.
30	8.47	30.96	24.07	1480.
50	8.45	31.01	24.11	1480.
75	8.44	31.05	24.14	1481.
100	8.41	31.19	24.25	1481.
125	8.40	31.20	24.26	1482.
150	8.39	31.24	24.29	1482.
175	8.38	31.32	24.36	1482.
200	8.37	31.37	24.40	1483.
225	8.37	31.37	24.40	1483.
250	8.37	31.38	24.41	1484.
275	8.36	31.41	24.43	1484.
300	8.36	31.42	24.44	1485.
325	8.36	31.42	24.44	1485.
350	8.36	31.42	24.44	1485.
375	8.35	31.42	24.45	1486.
400	8.33	31.46	24.48	1486.
425	8.28	31.57	24.57	1486.

STATION J 13 CRUISE 78-15 CONS # 79
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 7:30:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.51	30.92	24.02	1480.
10	8.50	30.91	24.02	1480.
20	8.48	30.94	24.04	1480.
30	8.47	30.95	24.05	1480.
50	8.44	31.03	24.12	1480.
75	8.44	31.06	24.15	1481.
100	8.42	31.16	24.23	1481.
125	8.40	31.26	24.31	1482.
150	8.38	31.26	24.31	1482.
175	8.37	31.34	24.38	1482.
200	8.37	31.36	24.39	1483.
225	8.37	31.37	24.40	1483.
250	8.36	31.38	24.41	1484.
275	8.36	31.39	24.42	1484.
300	8.35	31.42	24.44	1484.
325	8.36	31.41	24.43	1485.
350	8.36	31.42	24.44	1485.
375	8.33	31.47	24.48	1486.
400	8.34	31.46	24.48	1486.
425	8.30	31.52	24.53	1486.
450	8.28	31.56	24.56	1487.

STATION J 13 CRUISE 78-15 CONS # 80
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 8:27:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.53	30.92	24.02	1480.
10	8.47	30.93	24.04	1480.
20	8.48	30.93	24.04	1480.
30	8.46	30.94	24.05	1480.
50	8.43	31.06	24.15	1480.
75	8.41	31.17	24.24	1481.
100	8.40	31.21	24.27	1481.
125	8.40	31.25	24.30	1482.
150	8.40	31.25	24.30	1482.
175	8.40	31.27	24.32	1482.
200	8.37	31.32	24.36	1483.
225	8.37	31.37	24.40	1483.
250	8.36	31.36	24.40	1484.
275	8.35	31.40	24.43	1484.
300	8.35	31.42	24.44	1484.
325	8.32	31.45	24.47	1485.
350	8.32	31.47	24.48	1485.
375	8.31	31.49	24.50	1486.
400	8.30	31.51	24.52	1486.
425	8.30	31.54	24.55	1486.
450	8.29	31.55	24.55	1487.

STATION J 13 CRUISE 78-15 CONS # 81
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 9:27:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.62	30.92	24.01	1480.
10	8.51	30.90	24.02	1480.
20	8.49	30.93	24.04	1480.
30	8.47	30.94	24.05	1480.
50	8.42	31.05	24.14	1480.
75	8.41	31.11	24.19	1481.
100	8.41	31.16	24.23	1481.
125	8.40	31.25	24.30	1482.
150	8.40	31.26	24.31	1482.
175	8.39	31.27	24.32	1482.
200	8.37	31.34	24.38	1483.
225	8.37	31.35	24.38	1483.
250	8.37	31.35	24.39	1484.
275	8.37	31.37	24.40	1484.
300	8.35	31.39	24.42	1484.
325	8.33	31.44	24.46	1485.
350	8.32	31.47	24.49	1485.
375	8.32	31.48	24.49	1486.
400	8.32	31.49	24.50	1486.
425	8.32	31.49	24.50	1487.
450	8.31	31.52	24.52	1487.

STATION J 13 CRUISE 78-15 CONS # 82
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 10:26: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.62	30.99	24.06	1480.
10	8.49	30.94	24.05	1480.
20	8.48	30.96	24.06	1480.
30	8.46	30.98	24.08	1480.
50	8.44	31.02	24.12	1480.
75	8.40	31.08	24.16	1481.
100	8.41	31.15	24.22	1481.
125	8.39	31.27	24.32	1482.
150	8.38	31.28	24.33	1482.
175	8.37	31.31	24.36	1482.
200	8.36	31.37	24.40	1483.
225	8.36	31.37	24.40	1483.
250	8.35	31.38	24.41	1484.
275	8.33	31.44	24.46	1484.
300	8.34	31.43	24.45	1484.
325	8.33	31.46	24.47	1485.
350	8.33	31.46	24.48	1485.
375	8.32	31.48	24.49	1486.
400	8.32	31.49	24.50	1486.
425	8.31	31.52	24.53	1487.
450	8.31	31.52	24.52	1487.

STATION J 13 CRUISE 78-15 CONS # 83
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 11:29:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.64	30.93	24.02	1480.
10	8.55	30.90	24.00	1480.
20	8.54	30.93	24.03	1480.
30	8.52	30.91	24.02	1480.
50	8.44	31.02	24.12	1480.
75	8.40	31.08	24.16	1481.
100	8.39	31.25	24.30	1481.
125	8.37	31.29	24.34	1482.
150	8.37	31.33	24.37	1482.
175	8.35	31.37	24.40	1482.
200	8.35	31.40	24.43	1483.
225	8.34	31.42	24.44	1483.
250	8.34	31.43	24.45	1484.
275	8.33	31.46	24.48	1484.
300	8.33	31.45	24.47	1484.
325	8.33	31.47	24.48	1485.
350	8.33	31.47	24.48	1485.
375	8.30	31.53	24.54	1486.
400	8.30	31.54	24.54	1486.
425	8.30	31.54	24.54	1486.

STATION J 13 CRUISE 78-15 CONS # 84
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 12:31:12 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.75	30.82	23.91	1480.
10	8.57	30.89	24.00	1480.
20	8.53	30.87	23.99	1480.
30	8.52	30.89	24.00	1480.
50	8.44	31.03	24.12	1480.
75	8.38	31.14	24.22	1481.
100	8.38	31.28	24.33	1481.
125	8.36	31.33	24.37	1482.
150	8.35	31.36	24.40	1482.
175	8.34	31.40	24.43	1482.
200	8.34	31.40	24.42	1483.
225	8.34	31.42	24.44	1483.
250	8.33	31.42	24.45	1484.
275	8.32	31.46	24.47	1484.
300	8.32	31.47	24.48	1484.
325	8.32	31.49	24.50	1485.
350	8.32	31.49	24.50	1485.
375	8.32	31.51	24.52	1486.
400	8.30	31.52	24.53	1486.
425	8.31	31.55	24.55	1487.
450	8.31	31.55	24.55	1487.

STATION J 13 CRUISE 78-15 CONS # 85
 POSITION 50-33.3N 126-47.0W
 DATE 78/ 5/27 TIME 13:30:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.65	30.85	23.95	1480.
10	8.56	30.84	23.95	1480.
20	8.55	30.86	23.97	1480.
30	8.53	30.86	23.97	1480.
50	8.45	31.01	24.10	1480.
75	8.40	31.09	24.17	1481.
100	8.39	31.19	24.26	1481.
125	8.37	31.30	24.34	1482.
150	8.36	31.34	24.37	1482.
175	8.36	31.35	24.38	1482.
200	8.35	31.40	24.42	1483.
225	8.35	31.40	24.43	1483.
250	8.34	31.42	24.45	1484.
275	8.33	31.44	24.46	1484.
300	8.33	31.45	24.47	1484.
325	8.32	31.47	24.48	1485.
350	8.32	31.50	24.51	1485.
375	8.31	31.51	24.51	1486.
400	8.31	31.52	24.53	1486.
425	8.31	31.53	24.53	1487.

STATION J 8A CRUISE 78-15 CONS # 90
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/27 TIME 17:50:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.65	30.68	23.82	1480.
10	8.63	30.69	23.83	1480.
20	8.54	30.81	23.94	1480.
30	8.49	30.90	24.02	1480.
50	8.45	30.97	24.08	1480.
75	8.34	31.19	24.26	1480.
100	8.33	31.19	24.27	1481.
125	8.32	31.27	24.33	1481.
150	8.33	31.32	24.37	1482.
175	8.34	31.35	24.39	1482.
200	8.34	31.42	24.44	1483.
225	8.35	31.42	24.44	1483.
250	8.35	31.43	24.45	1484.

STATION J 8A CRUISE 78-15 CONS # 92
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/27 TIME 18:36:26 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.71	30.65	23.79	1480.
10	8.71	30.64	23.78	1480.
20	8.64	30.69	23.83	1480.
30	8.55	30.82	23.94	1480.
50	8.45	30.98	24.09	1480.
75	8.38	31.13	24.21	1481.
100	8.34	31.22	24.28	1481.
125	8.33	31.31	24.36	1481.
150	8.33	31.34	24.38	1482.
175	8.33	31.35	24.39	1482.
200	8.34	31.41	24.44	1483.
225	8.35	31.42	24.44	1483.
250	8.35	31.43	24.45	1484.

STATION J8A CRUISE 78-15 CONS # 94
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/27 TIME 19:17:53 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.70	30.62	23.77	1480.
10	8.65	30.66	23.80	1480.
20	8.63	30.68	23.82	1480.
30	8.52	30.86	23.98	1480.
50	8.43	31.00	24.10	1480.
75	8.38	31.10	24.19	1481.
100	8.33	31.23	24.30	1481.
125	8.33	31.30	24.35	1481.
150	8.34	31.34	24.38	1482.
175	8.35	31.38	24.41	1482.
200	8.35	31.41	24.44	1483.
225	8.35	31.42	24.44	1483.
250	8.36	31.43	24.45	1484.

STATION J8A CRUISE 78-15 CONS # 96
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/27 TIME 19:57:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.66	30.62	23.77	1480.
10	8.62	30.67	23.82	1480.
20	8.52	30.82	23.95	1480.
30	8.51	30.85	23.98	1480.
50	8.40	31.04	24.14	1480.
75	8.38	31.10	24.19	1481.
100	8.33	31.26	24.32	1481.
125	8.34	31.32	24.37	1481.
150	8.34	31.32	24.37	1482.
175	8.35	31.39	24.42	1482.
200	8.35	31.40	24.43	1483.
225	8.35	31.41	24.43	1483.
250	8.36	31.42	24.44	1484.
275	8.36	31.44	24.45	1484.

STATION J8A CRUISE 78-15 CONS # 98
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/27 TIME 20:41:11 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.68	30.77	23.88	1480.
10	8.55	30.80	23.93	1480.
20	8.49	30.89	24.01	1480.
30	8.43	31.01	24.11	1480.
50	8.38	31.13	24.21	1480.
75	8.33	31.26	24.32	1481.
100	8.33	31.28	24.33	1481.
125	8.34	31.33	24.37	1481.
150	8.34	31.34	24.38	1482.
175	8.35	31.38	24.41	1482.
200	8.35	31.40	24.43	1483.
225	8.35	31.40	24.43	1483.
250	8.35	31.43	24.45	1484.

STATION J8A CRUISE 78-15 CONS #100
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/27 TIME 21:17:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.67	30.64	23.78	1480.
10	8.61	30.70	23.84	1480.
20	8.53	30.83	23.95	1480.
30	8.44	30.99	24.09	1480.
50	8.41	31.05	24.14	1480.
75	8.33	31.26	24.32	1481.
100	8.33	31.32	24.36	1481.
125	8.34	31.34	24.38	1481.
150	8.34	31.40	24.43	1482.
175	8.34	31.39	24.42	1482.
200	8.35	31.40	24.43	1483.
225	8.35	31.41	24.44	1483.
250	8.36	31.42	24.44	1484.
275	\$\$\$\$\$	\$\$\$\$\$	\$\$\$\$\$	\$\$\$\$\$

STATION J8A CRUISE 78-15 CONS #102
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/27 TIME 21:56: 3 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.67	30.77	23.89	1480.
10	8.66	30.66	23.80	1480.
20	8.52	30.84	23.96	1480.
30	8.44	30.99	24.09	1480.
50	8.40	31.07	24.16	1480.
75	8.34	31.26	24.32	1481.
100	8.33	31.34	24.38	1481.
125	8.34	31.34	24.38	1481.
150	8.34	31.39	24.42	1482.
175	8.35	31.38	24.41	1482.
200	8.35	31.40	24.42	1483.
225	8.35	31.38	24.41	1483.
250	8.36	31.39	24.42	1484.

STATION J8A CRUISE 78-15 CONS #104
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/27 TIME 22:46:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.65	30.66	23.80	1480.
10	8.57	30.76	23.89	1480.
20	8.53	30.86	23.98	1480.
30	8.51	30.87	23.99	1480.
50	8.50	30.90	24.02	1480.
75	8.43	31.02	24.12	1481.
100	8.35	31.19	24.26	1481.
125	8.34	31.26	24.32	1481.
150	8.34	31.35	24.38	1482.
175	8.34	31.37	24.40	1482.
200	8.35	31.41	24.43	1483.
225	8.35	31.40	24.42	1483.
250	8.35	31.40	24.43	1484.

STATION J 8A CRUISE 78-15 CONS #106
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/27 TIME 23:27: 1 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.64	30.70	23.84	1480.
10	8.59	30.76	23.89	1480.
20	8.51	30.91	24.02	1480.
30	8.47	30.96	24.06	1480.
50	8.43	31.03	24.12	1480.
75	8.40	31.08	24.17	1481.
100	8.37	31.13	24.21	1481.
125	8.33	31.28	24.34	1481.
150	8.34	31.29	24.34	1482.
175	8.34	31.33	24.37	1482.
200	8.35	31.39	24.41	1483.
225	8.35	31.42	24.44	1483.
250	8.35	31.43	24.45	1484.

STATION J 8A CRUISE 78-15 CONS #108
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 0: 9:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.68	30.69	23.82	1480.
10	8.67	30.68	23.81	1480.
20	8.63	30.73	23.86	1480.
30	8.51	30.87	23.99	1480.
50	8.43	31.04	24.13	1480.
75	8.38	31.13	24.21	1481.
100	8.35	31.24	24.30	1481.
125	8.34	31.27	24.33	1481.
150	8.34	31.31	24.36	1482.
175	8.34	31.31	24.36	1482.
200	8.35	31.36	24.39	1483.
225	8.35	31.37	24.40	1483.
250	8.35	31.41	24.43	1484.

STATION J 8A CRUISE 78-15 CONS #110
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 0:58:58 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.72	30.78	23.89	1480.
10	8.60	30.79	23.91	1480.
20	8.60	30.77	23.90	1480.
30	8.56	30.84	23.95	1480.
50	8.38	31.14	24.22	1480.
75	8.35	31.24	24.30	1481.
100	8.35	31.24	24.30	1481.
125	8.35	31.25	24.31	1481.
150	8.34	31.27	24.33	1482.
175	8.34	31.29	24.34	1482.
200	8.34	31.31	24.35	1483.
225	8.35	31.32	24.36	1483.
250	8.35	31.39	24.42	1484.

STATION J 8A CRUISE 78-15 CONS #112
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 1:45:47 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.58	30.36	23.58	1479.
10	8.61	30.51	23.69	1480.
20	8.63	30.62	23.78	1480.
30	8.60	30.71	23.85	1480.
50	8.55	30.83	23.95	1480.
75	8.58	30.80	23.92	1481.
100	8.53	30.89	24.00	1481.
125	8.49	30.97	24.06	1482.
150	8.44	31.08	24.16	1482.
175	8.41	31.15	24.22	1482.
200	8.39	31.20	24.26	1483.
225	8.36	31.27	24.32	1483.
250	8.37	31.29	24.34	1484.

STATION J 8A CRUISE 78-15 CONS #114
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 2:38: 1 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.52	30.85	23.97	1480.
10	8.51	30.87	23.99	1480.
20	8.51	30.86	23.98	1480.
30	8.51	30.87	23.99	1480.
50	8.48	30.97	24.07	1480.
75	8.49	30.96	24.06	1481.
100	8.50	30.97	24.06	1481.
125	8.50	30.95	24.06	1482.
150	8.50	30.99	24.08	1482.
175	8.38	31.21	24.27	1482.
200	8.37	31.26	24.32	1483.
225	8.37	31.27	24.32	1483.
250	8.36	31.32	24.36	1484.

STATION J 8A CRUISE 78-15 CONS #116
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 3:24:40 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.50	30.85	23.98	1479.
10	8.50	30.87	23.99	1480.
20	8.51	30.88	24.00	1480.
30	8.48	30.97	24.07	1480.
50	8.49	30.96	24.06	1480.
75	8.49	30.96	24.06	1481.
100	8.49	30.99	24.09	1481.
125	8.48	31.02	24.11	1482.
150	8.41	31.16	24.23	1482.
175	8.37	31.25	24.31	1482.
200	8.37	31.27	24.32	1483.
225	8.37	31.29	24.34	1483.
250	8.36	31.35	24.39	1484.
275	8.36	31.36	24.39	1484.

STATION J 8A CRUISE 78-15 CONS #118
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 4:12:55 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.62	30.74	23.87	1480.
10	8.55	30.82	23.95	1480.
20	8.53	30.88	23.99	1480.
30	8.53	30.89	24.00	1480.
50	8.51	30.93	24.04	1480.
75	8.51	30.94	24.05	1481.
100	8.42	31.14	24.21	1481.
125	8.37	31.23	24.29	1481.
150	8.35	31.24	24.30	1482.
175	8.35	31.34	24.38	1482.
200	8.35	31.33	24.37	1483.
225	8.35	31.39	24.42	1483.
250	8.35	31.39	24.42	1484.

STATION J8 A CRUISE 78-15 CONS #120
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 5: 5: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.64	30.75	23.87	1480.
10	8.55	30.82	23.94	1480.
20	8.55	30.83	23.95	1480.
30	8.54	30.84	23.96	1480.
50	8.52	30.91	24.02	1480.
75	8.39	31.15	24.23	1481.
100	8.38	31.17	24.24	1481.
125	8.38	31.19	24.26	1481.
150	8.35	31.27	24.33	1482.
175	8.34	31.34	24.38	1482.
200	8.35	31.34	24.38	1483.
225	8.35	31.36	24.39	1483.
250	8.35	31.37	24.40	1484.

STATION J8 A CRUISE 78-15 CONS #122
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 5:46:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.55	30.81	23.93	1480.
10	8.55	30.81	23.93	1480.
20	8.55	30.82	23.94	1480.
30	8.55	30.82	23.94	1480.
50	8.52	30.89	24.00	1480.
75	8.45	31.04	24.13	1481.
100	8.40	31.13	24.21	1481.
125	8.39	31.16	24.23	1481.
150	8.35	31.30	24.35	1482.
175	8.34	31.35	24.39	1482.
200	8.35	31.38	24.41	1483.
225	8.35	31.37	24.40	1483.
250	8.36	31.40	24.42	1484.

STATION J 8A CRUISE 78-15 CONS #124
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 6:27:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.56	30.80	23.93	1480.
10	8.56	30.81	23.94	1480.
20	8.56	30.81	23.93	1480.
30	8.56	30.82	23.94	1480.
50	8.55	30.82	23.94	1480.
75	8.42	31.08	24.16	1481.
100	8.41	31.11	24.19	1481.
125	8.39	31.19	24.26	1482.
150	8.35	31.30	24.35	1482.
175	8.34	31.32	24.37	1482.
200	8.35	31.37	24.40	1483.
225	8.36	31.38	24.41	1483.
250	8.36	31.38	24.41	1484.

STATION J 8A CRUISE 78-15 CONS #126
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 7: 8: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.59	30.77	23.90	1480.
10	8.56	30.80	23.93	1480.
20	8.55	30.83	23.95	1480.
30	8.54	30.83	23.95	1480.
50	8.43	31.06	24.15	1480.
75	8.41	31.11	24.19	1481.
100	8.38	31.20	24.27	1481.
125	8.35	31.30	24.35	1482.
150	8.34	31.33	24.37	1482.
175	8.35	31.34	24.38	1482.
200	8.35	31.37	24.40	1483.
225	8.35	31.40	24.42	1483.
250	8.35	31.42	24.44	1484.

STATION J8A CRUISE 78-15 CONS #128
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 7:45:26 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.60	30.78	23.90	1480.
10	8.56	30.81	23.94	1480.
20	8.54	30.85	23.97	1480.
30	8.50	30.93	24.04	1480.
50	8.43	31.05	24.14	1480.
75	8.41	31.12	24.20	1481.
100	8.36	31.24	24.30	1481.
125	8.34	31.32	24.36	1481.
150	8.34	31.35	24.39	1482.
175	8.35	31.36	24.39	1482.
200	8.35	31.41	24.43	1483.
225	8.35	31.40	24.43	1483.
250	8.36	31.42	24.44	1484.

STATION J8A CRUISE 78-15 CONS #130
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 8:22:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.62	30.77	23.89	1480.
10	8.55	30.81	23.93	1480.
20	8.52	30.88	23.99	1480.
30	8.48	30.96	24.06	1480.
50	8.43	31.06	24.15	1480.
75	8.38	31.19	24.26	1481.
100	8.35	31.26	24.32	1481.
125	8.34	31.34	24.38	1482.
150	8.34	31.37	24.40	1482.
175	8.34	31.38	24.41	1482.
200	8.35	31.40	24.43	1483.
225	8.36	31.44	24.46	1483.
250	8.35	31.45	24.46	1484.

STATION J8A CRUISE 78-15 CONS #132
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 8:58:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.73	30.69	23.82	1480.
10	8.58	30.82	23.94	1480.
20	8.56	30.85	23.96	1480.
30	8.49	30.97	24.07	1480.
50	8.43	31.06	24.15	1480.
75	8.36	31.22	24.29	1481.
100	8.34	31.32	24.36	1481.
125	8.34	31.32	24.36	1481.
150	8.34	31.34	24.38	1482.
175	8.34	31.38	24.41	1482.
200	8.35	31.42	24.45	1483.
225	8.35	31.44	24.46	1483.
250	8.35	31.46	24.47	1484.

STATION J8A CRUISE 78-15 CONS #134
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 9:31: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.73	30.59	23.74	1480.
10	8.61	30.75	23.88	1480.
20	8.56	30.81	23.93	1480.
30	8.50	30.92	24.03	1480.
50	8.43	31.07	24.16	1480.
75	8.34	31.27	24.32	1481.
100	8.34	31.33	24.37	1481.
125	8.34	31.32	24.37	1481.
150	8.34	31.37	24.40	1482.
175	8.34	31.39	24.42	1482.
200	8.35	31.39	24.42	1483.
225	8.35	31.44	24.46	1483.
250	8.35	31.44	24.46	1484.

STATION J8A CRUISE 78-15 CONS #136
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 10: 4:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.64	30.72	23.85	1480.
10	8.59	30.75	23.88	1480.
20	8.59	30.76	23.89	1480.
30	8.57	30.80	23.92	1480.
50	8.48	30.98	24.08	1480.
75	8.40	31.14	24.21	1481.
100	8.34	31.27	24.33	1481.
125	8.34	31.31	24.36	1481.
150	8.34	31.33	24.37	1482.
175	8.34	31.37	24.41	1482.
200	8.35	31.39	24.42	1483.
225	8.35	31.43	24.45	1483.
250	8.36	31.44	24.46	1484.

STATION J8A CRUISE 78-15 CONS #138
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 10:43:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.73	30.64	23.78	1480.
10	8.64	30.76	23.88	1480.
20	8.56	30.84	23.96	1480.
30	8.53	30.85	23.97	1480.
50	8.50	30.92	24.03	1480.
75	8.41	31.10	24.18	1481.
100	8.35	31.28	24.33	1481.
125	8.35	31.26	24.32	1481.
150	8.34	31.29	24.34	1482.
175	8.35	31.34	24.38	1482.
200	8.35	31.35	24.39	1483.
225	8.35	31.43	24.45	1483.
250	8.36	31.43	24.45	1484.

STATION J 8A CRUISE 78-15 CONS #140
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 11:27:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.82	30.64	23.76	1480.
10	8.65	30.69	23.83	1480.
20	8.63	30.74	23.87	1480.
30	8.60	30.77	23.90	1480.
50	8.48	30.96	24.07	1480.
75	8.47	31.02	24.11	1481.
100	8.42	31.12	24.20	1481.
125	8.36	31.31	24.35	1482.
150	8.34	31.39	24.42	1482.
175	8.35	31.42	24.45	1482.
200	8.35	31.40	24.43	1483.
225	8.35	31.42	24.44	1483.
250	8.36	31.43	24.45	1484.

STATION J 8A CRUISE 78-15 CONS #142
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 12:10:26 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.66	30.78	23.89	1480.
10	8.63	30.76	23.88	1480.
20	8.51	30.77	23.89	1480.
30	8.58	30.81	23.93	1480.
50	8.52	30.94	24.04	1480.
75	8.48	30.98	24.08	1481.
100	8.45	31.07	24.15	1481.
125	8.40	31.18	24.25	1482.
150	8.34	31.32	24.37	1482.
175	8.35	31.39	24.42	1482.
200	8.35	31.40	24.42	1483.
225	8.35	31.40	24.43	1483.
250	8.36	31.42	24.44	1484.

STATION J 8A CRUISE 78-15 CONS #144
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 12:58: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.05	29.88	23.14	1480.
10	8.70	30.51	23.68	1480.
20	8.68	30.60	23.76	1480.
30	8.66	30.67	23.81	1480.
50	8.61	30.77	23.90	1481.
75	8.57	30.85	23.96	1481.
100	8.53	30.92	24.02	1481.
125	8.40	31.20	24.26	1482.
150	8.38	31.25	24.30	1482.
175	8.37	31.28	24.33	1482.
200	8.35	31.32	24.36	1483.
225	8.35	31.40	24.43	1483.
250	8.36	31.42	24.44	1484.

STATION J 8A CRUISE 78-15 CONS #146
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 13:41:12 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.81	30.08	23.33	1480.
10	8.72	30.25	23.47	1480.
20	8.70	30.31	23.52	1480.
30	8.64	30.62	23.78	1480.
50	8.63	30.71	23.85	1481.
75	8.56	30.84	23.96	1481.
100	8.52	30.92	24.03	1481.
125	8.50	30.96	24.06	1482.
150	8.44	31.11	24.19	1482.
175	8.36	31.33	24.37	1482.
200	8.35	31.36	24.40	1483.
225	8.35	31.42	24.44	1483.
250	8.36	31.42	24.44	1484.

STATION J 8A CRUISE 78-15 CONS #148
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 14:26:56 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.67	23.80	1480.
10	8.64	30.69	23.83	1480.
20	8.60	30.76	23.89	1480.
30	8.60	30.75	23.88	1480.
50	8.61	30.75	23.88	1481.
75	8.61	30.76	23.89	1481.
100	8.63	30.73	23.86	1481.
125	8.52	30.96	24.06	1482.
150	8.45	31.09	24.17	1482.
175	8.38	31.27	24.32	1482.
200	8.37	31.28	24.33	1483.
225	8.36	31.34	24.38	1483.
250	8.36	31.38	24.41	1484.

STATION J 8A CRUISE 78-15 CONS #150
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 15:17:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.72	30.56	23.71	1480.
10	8.67	30.62	23.77	1480.
20	8.62	30.73	23.86	1480.
30	8.62	30.72	23.85	1480.
50	8.62	30.72	23.85	1481.
75	8.62	30.73	23.86	1481.
100	8.58	30.81	23.93	1481.
125	8.43	31.13	24.20	1482.
150	8.37	31.27	24.32	1482.
175	8.35	31.31	24.36	1482.
200	8.35	31.38	24.41	1483.
225	8.35	31.41	24.44	1483.
250	8.36	31.43	24.45	1484.

STATION J 8A CRUISE 78-15 CONS #152
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 16: 1:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.66	30.66	23.80	1480.
10	8.65	30.67	23.82	1480.
20	8.62	30.71	23.85	1480.
30	8.62	30.72	23.85	1480.
50	8.61	30.73	23.87	1481.
75	8.57	30.84	23.96	1481.
100	8.44	31.11	24.18	1481.
125	8.38	31.25	24.30	1482.
150	8.38	31.25	24.30	1482.
175	8.38	31.26	24.31	1482.
200	8.36	31.33	24.37	1483.
225	8.36	31.39	24.41	1483.
250	8.35	31.43	24.45	1484.

STATION J 8A CRUISE 78-15 CONS #154
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 16:45:48 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.65	30.74	23.87	1480.
10	8.64	30.70	23.83	1480.
20	8.63	30.70	23.83	1480.
30	8.62	30.72	23.85	1480.
50	8.62	30.72	23.85	1481.
75	8.47	31.01	24.10	1481.
100	8.44	31.03	24.16	1481.
125	8.40	31.19	24.25	1482.
150	8.35	31.33	24.37	1482.
175	8.34	31.37	24.41	1482.
200	8.35	31.40	24.42	1483.
225	8.35	31.42	24.44	1483.
250	8.36	31.42	24.44	1484.

STATION J 8A CRUISE 78-15 CONS #156
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 17:26:56 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.68	30.60	23.76	1480.
10	8.67	30.65	23.79	1480.
20	8.64	30.69	23.82	1480.
30	8.64	30.67	23.81	1480.
50	8.57	30.82	23.94	1480.
75	8.48	30.99	24.09	1481.
100	8.38	31.20	24.26	1481.
125	8.34	31.31	24.36	1481.
150	8.34	31.35	24.39	1482.
175	8.34	31.38	24.41	1482.
200	8.35	31.41	24.43	1483.
225	8.35	31.44	24.45	1483.
250	8.35	31.46	24.47	1484.

STATION J 8A CRUISE 78-15 CONS #158
 POSITION 50-27.9N 126- 3.5W
 DATE 78/ 5/28 TIME 18:17:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.73	30.63	23.77	1480.
10	8.69	30.67	23.81	1480.
20	8.65	30.69	23.83	1480.
30	8.61	30.75	23.88	1480.
50	8.51	30.92	24.03	1480.
75	8.43	31.10	24.18	1481.
100	8.35	31.28	24.33	1481.
125	8.34	31.29	24.34	1481.
150	8.34	31.34	24.38	1482.
175	8.35	31.37	24.40	1482.
200	8.35	31.42	24.44	1483.
225	8.35	31.45	24.46	1483.
250	8.35	31.45	24.47	1484.

STATION J 7 CRUISE 78-15 CONS # 91
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/27 TIME 18:16: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.76	23.88	1480.
10	8.46	31.00	24.10	1480.
20	8.33	31.24	24.30	1480.
30	8.31	31.33	24.38	1480.
50	8.31	31.34	24.38	1480.
75	8.33	31.42	24.44	1481.

STATION J 7 CRUISE 78-15 CONS # 93
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/27 TIME 19: 1: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.68	30.71	23.84	1480.
10	8.42	31.03	24.13	1480.
20	8.34	31.23	24.29	1480.
30	8.31	31.30	24.35	1480.
50	8.32	31.32	24.37	1480.
75	8.33	31.39	24.42	1481.

STATION J 7 CRUISE 78-15 CONS # 95
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/27 TIME 19:42:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.61	30.72	23.86	1480.
10	8.49	30.89	24.01	1480.
20	8.35	31.15	24.23	1480.
30	8.31	31.26	24.32	1480.
50	8.32	31.30	24.35	1480.
75	8.33	31.35	24.39	1481.

STATION J 7 CRUISE 78-15 CONS # 97
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/27 TIME 20:23:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.61	30.66	23.81	1480.
10	8.59	30.71	23.85	1480.
20	8.60	30.70	23.85	1480.
30	8.59	30.74	23.88	1480.
50	8.59	30.75	23.88	1480.
75	8.46	30.94	24.05	1481.

STATION J 7 CRUISE 78-15 CONS # 99
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/27 TIME 21: 2:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.57	30.81	23.93	1480.
10	8.51	30.90	24.01	1480.
20	8.50	30.91	24.02	1480.
30	8.50	30.91	24.02	1480.
50	8.49	30.96	24.06	1480.
75	8.45	31.04	24.13	1481.

STATION J 7 CRUISE 78-15 CONS #101
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/27 TIME 21:42:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.53	30.92	24.02	1480.
10	8.52	30.92	24.03	1480.
20	8.46	31.02	24.11	1480.
30	8.46	31.03	24.12	1480.
50	8.44	31.06	24.15	1480.
75	8.42	31.10	24.18	1481.

STATION J 7 CRUISE 78-15 CONS #103
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/27 TIME 22:26:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.56	30.77	23.90	1480.
10	8.49	30.89	24.01	1480.
20	8.45	30.95	24.06	1480.
30	8.40	31.10	24.18	1480.
50	8.35	31.23	24.29	1480.
75	8.34	31.28	24.33	1481.
100	8.34	31.32	24.37	1491.

STATION J 7 CRUISE 78-15 CONS #105
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/27 TIME 23: 8:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.57	30.85	23.96	1480.
10	8.45	31.02	24.11	1480.
20	8.38	31.13	24.21	1480.
30	8.37	31.16	24.23	1480.
50	8.38	31.14	24.22	1480.
75	8.36	31.23	24.29	1481.
100	8.33	31.34	24.38	1481.

STATION J 7 CRUISE 78-15 CONS #107
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/27 TIME 23:49:51 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.54	30.82	23.94	1480.
10	8.46	30.99	24.09	1480.
20	8.44	31.03	24.12	1480.
30	8.42	31.07	24.16	1480.
50	8.39	31.11	24.20	1480.
75	8.34	31.31	24.35	1481.
100	8.33	31.35	24.39	1481.

STATION J 7 CRUISE 78-15 CONS #109
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 0:36:59 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.57	30.75	23.89	1480.
10	8.52	30.87	23.99	1480.
20	8.44	31.01	24.11	1480.
30	8.40	31.10	24.19	1480.
50	8.34	31.30	24.35	1480.
75	8.34	31.32	24.37	1481.
100	8.34	31.35	24.38	1481.
125	8.33	31.37	24.41	1482.

STATION J 7 CRUISE 78-15 CONS #111
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 1:24:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.53	30.51	23.71	1479.
10	8.52	30.74	23.88	1480.
20	8.51	30.87	23.99	1480.
30	8.51	30.88	23.99	1480.
50	8.47	30.97	24.07	1480.
75	8.42	31.09	24.17	1481.
100	8.36	31.27	24.33	1481.
125	8.34	31.35	24.39	1482.

STATION J 7 CRUISE 78-15 CONS #113
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 2:13: 3 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.57	30.88	23.99	1480.
10	8.51	30.91	24.02	1480.
20	8.51	30.89	24.00	1480.
30	8.51	30.90	24.01	1480.
50	8.49	30.97	24.07	1480.
75	8.48	31.00	24.09	1481.
100	8.47	31.03	24.12	1481.
125	8.44	31.08	24.16	1482.

STATION J 7 CRUISE 78-15 CONS #115
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 3: 7:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.56	30.81	23.93	1480.
10	8.55	30.86	23.98	1480.
20	8.53	30.86	23.98	1480.
30	8.52	30.91	24.02	1480.
50	8.48	30.90	24.08	1480.
75	8.42	31.11	24.19	1481.
100	8.38	31.25	24.30	1481.

STATION J 7 CRUISE 78-15 CONS #117
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 3:52: 2 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.54	30.81	23.93	1480.
10	8.51	30.88	24.00	1480.
20	8.49	30.93	24.04	1480.
30	8.49	30.95	24.05	1480.
50	8.47	31.00	24.09	1480.
75	8.35	31.28	24.33	1481.
100	8.35	31.31	24.36	1481.

STATION J 7 CRUISE 78-15 CONS #119
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 4:41:33 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.55	30.83	23.95	1480.
10	8.55	30.83	23.95	1480.
20	8.54	30.84	23.96	1480.
30	8.55	30.84	23.96	1480.
50	8.56	30.83	23.95	1480.
75	8.56	30.82	23.94	1481.
100	8.52	30.93	24.03	1481.
125	8.35	31.31	24.35	1482.

STATION J 7 CRUISE 78-15 CONS #121
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 5:28:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.58	30.75	23.89	1480.
10	8.57	30.77	23.90	1480.
20	8.57	30.78	23.91	1480.
30	8.57	30.78	23.91	1480.
50	8.54	30.85	23.97	1480.
75	8.47	30.99	24.09	1481.
100	8.36	31.28	24.33	1481.

STATION J 7 CRUISE 78-15 CONS #123
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 6:10:49 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.58	30.86	23.97	1480.
10	8.53	30.82	23.95	1480.
20	8.48	30.94	24.04	1480.
30	8.37	31.17	24.24	1480.
50	8.34	31.25	24.31	1480.
75	8.33	31.31	24.36	1481.

STATION J 7 CRUISE 78-15 CONS #125
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 6:49:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.59	30.62	23.78	1480.
10	8.58	30.75	23.88	1480.
20	8.58	30.76	23.89	1480.
30	8.59	30.75	23.89	1480.
50	8.51	30.93	24.03	1480.
75	8.42	31.12	24.19	1481.
100	8.34	31.34	24.38	1481.

STATION J 7 CRUISE 78-15 CONS #127
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 7:27:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.63	30.83	23.94	1480.
10	8.54	30.86	23.98	1480.
20	8.53	30.87	23.99	1480.
30	8.48	30.98	24.08	1480.
50	8.34	31.29	24.34	1480.
75	8.33	31.36	24.40	1481.

STATION J 7 CRUISE 78-15 CONS #129
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 8: 6:43 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.60	30.76	23.89	1480.
10	8.56	30.81	23.93	1480.
20	8.56	30.82	23.94	1480.
30	8.55	30.84	23.95	1480.
50	8.47	30.98	24.08	1480.
75	8.33	31.40	24.43	1481.

STATION J 7 CRUISE 78-15 CONS #131
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 8:44:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.67	30.71	23.84	1480.
10	8.57	30.78	23.91	1480.
20	8.54	30.85	23.97	1480.
30	8.50	30.93	24.04	1480.
50	8.49	30.94	24.05	1480.
75	8.42	31.15	24.22	1481.

STATION J 7 CRUISE 78-15 CONS #133
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 9:18:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.15	30.66	23.73	1482.
10	8.58	30.79	23.91	1480.
20	8.53	30.88	23.99	1480.
30	8.51	30.91	24.02	1480.
50	8.45	31.06	24.14	1480.
75	8.41	31.18	24.24	1481.

STATION J7 CRUISE 78-15 CONS #135
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 9:49:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.73	30.67	23.80	1480.
10	8.67	30.68	23.82	1480.
20	8.59	30.77	23.90	1480.
30	8.54	30.87	23.98	1480.
50	8.51	30.93	24.03	1480.
75	8.44	31.08	24.16	1481.

STATION J 7 CRUISE 78-15 CONS #137
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 10:29:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.57	30.85	23.96	1480.
10	8.62	30.80	23.91	1480.
20	8.53	30.90	24.01	1480.
30	8.47	31.00	24.09	1480.
50	8.43	31.10	24.18	1480.
75	8.40	31.18	24.25	1481.

STATION J 7 CRUISE 78-15 CONS #139
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 11: 8:31 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.68	30.73	23.85	1480.
10	8.59	30.77	23.90	1480.
20	8.57	30.82	23.94	1480.
30	8.52	30.91	24.02	1480.
50	8.47	31.01	24.11	1480.
75	8.41	31.15	24.22	1481.
100	8.38	31.22	24.28	1481.
125	8.37	31.27	24.32	1482.

STATION J 7 CRUISE 78-15 CONS #141
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 11:53:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.70	23.83	1480.
10	8.52	30.89	24.00	1480.
20	8.49	30.94	24.04	1480.
30	8.45	31.03	24.12	1480.
50	8.41	31.13	24.21	1480.
75	8.35	31.32	24.37	1481.

STATION J 7 CRUISE 78-15 CONS #143
 POSITION 50-26.9N 126- 2.5W
 DATE 78/ 5/28 TIME 12:39:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.94	30.22	23.42	1480.
10	8.61	30.75	23.88	1480.
20	8.54	30.83	23.99	1480.
30	8.51	30.90	24.01	1480.
50	8.40	31.16	24.23	1480.
75	8.35	31.31	24.36	1481.

STATION J 7 CRUISE 78-15 CONS #145
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 13:24:25 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.59	23.74	1480.
10	8.65	30.65	23.80	1480.
20	8.61	30.72	23.86	1480.
30	8.57	30.80	23.93	1480.
50	8.50	30.93	24.04	1480.
75	8.36	31.30	24.35	1481.

STATION J 7 CRUISE 78-15 CONS #147
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 14:10:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.67	30.65	23.79	1480.
10	8.66	30.67	23.81	1480.
20	8.65	30.67	23.81	1480.
30	8.61	30.75	23.88	1480.
50	8.56	30.83	23.95	1480.
75	8.45	31.08	24.16	1481.

STATION J 7 CRUISE 78-15 CONS #149
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 14:56:49 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.68	30.61	23.76	1480.
10	8.65	30.67	23.81	1480.
20	8.64	30.68	23.82	1480.
30	8.61	30.74	23.88	1480.
50	8.58	30.83	23.94	1481.
75	8.44	31.11	24.19	1481.

STATION J 7 CRUISE 78-15 CONS #151
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 15:45:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.72	30.59	23.74	1480.
10	8.68	30.62	23.76	1480.
20	8.63	30.69	23.83	1480.
30	8.62	30.73	23.86	1480.
50	8.55	30.86	23.97	1480.
75	8.43	31.13	24.20	1481.

STATION J 7 CRUISE 78-15 CONS #153
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 16:29:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.76	30.63	23.77	1480.
10	8.67	30.65	23.79	1480.
20	8.65	30.68	23.82	1480.
30	8.63	30.72	23.85	1480.
50	8.49	30.98	24.08	1480.
75	8.37	31.26	24.31	1481.

STATION J 7 CRUISE 78-15 CONS #155
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 17:10:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.64	30.73	23.86	1480.
10	8.59	30.79	23.91	1480.
20	8.55	30.85	23.97	1480.
30	8.46	31.02	24.12	1480.
50	8.43	31.07	24.16	1480.
75	8.35	31.30	24.35	1481.
100	8.33	31.36	24.40	1481.

STATION J 7 CRUISE 78-15 CONS #157
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 17:56:29 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.59	23.75	1480.
10	8.54	30.83	23.95	1480.
20	8.47	30.97	24.07	1480.
30	8.42	31.09	24.17	1480.
50	8.33	31.29	24.34	1480.
75	8.33	31.36	24.40	1481.
100	8.33	31.38	24.41	1481.

STATION J 7 CRUISE 78-15 CONS #159
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/28 TIME 18:41:47 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.55	30.80	23.93	1480.
10	8.51	30.93	24.03	1480.
20	8.48	30.97	24.07	1480.
30	8.36	31.27	24.32	1480.
50	8.32	31.33	24.38	1480.
75	8.33	31.41	24.44	1481.
100	8.32	31.44	24.46	1481.

STATION J 7 CRUISE 78-15 CONS #160
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/29 TIME 18:19:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.71	30.67	23.80	1480.
10	8.70	30.69	23.82	1480.
20	8.70	30.68	23.81	1480.
30	8.65	30.74	23.86	1480.
50	8.62	30.78	23.90	1481.
75	8.48	31.03	24.14	1481.
100	8.39	31.27	24.32	1481.

STATION J 7 CRUISE 78-15 CONS #162
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/29 TIME 19: 6:58 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.71	30.69	23.82	1480.
10	8.61	30.85	23.95	1480.
20	8.54	30.93	24.03	1480.
30	8.50	31.00	24.09	1480.
50	8.39	31.24	24.29	1480.
75	8.34	31.34	24.38	1481.

STATION J7 CRUISE 78-15 CONS #164
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/29 TIME 19:47:47 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.64	23.78	1480.
10	8.65	30.88	23.98	1480.
20	8.51	30.99	24.08	1480.
30	8.44	31.14	24.21	1480.
50	8.35	31.33	24.37	1480.
75	8.32	31.43	24.45	1481.

STATION J7 CRUISE 78-15 CONS #166
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/29 TIME 20:26:25 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.72	30.81	23.91	1480.
10	8.57	30.91	24.01	1480.
20	8.47	31.07	24.15	1480.
30	8.39	31.22	24.28	1480.
50	8.33	31.39	24.42	1480.
75	8.32	31.44	24.46	1481.

STATION J7 CRUISE 78-15 CONS #168
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/29 TIME 21: 2:49 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.79	30.74	23.84	1480.
10	8.61	30.87	23.98	1480.
20	8.50	30.99	24.09	1480.
30	8.42	31.16	24.23	1480.
50	8.33	31.38	24.42	1480.
75	8.32	31.40	24.43	1481.

STATION J7 CRUISE 78-15 CONS #170
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/29 TIME 21:39:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.83	30.54	23.68	1480.
10	8.79	30.73	23.84	1481.
20	8.52	30.95	24.05	1480.
30	8.42	31.16	24.23	1480.
50	8.33	31.35	24.39	1480.
75	8.32	31.41	24.44	1481.

STATION J7 CRUISE 78-15 CONS #172
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/29 TIME 22:15:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.82	30.36	23.55	1480.
10	8.79	30.74	23.84	1481.
20	8.53	30.96	24.06	1480.
30	8.49	31.02	24.11	1480.
50	8.37	31.25	24.31	1480.
75	8.33	31.38	24.42	1481.

STATION J7 CRUISE 78-15 CONS #174
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/29 TIME 22:49:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.85	30.51	23.66	1480.
10	8.80	30.62	23.75	1480.
20	8.75	30.70	23.82	1481.
30	8.69	30.87	23.96	1481.
50	8.58	30.90	24.00	1481.
75	8.55	30.93	24.03	1481.

STATION J 7 CRUISE 78-15 CONS #176
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/29 TIME 23:27:56 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.77	30.62	23.75	1480.
10	8.73	30.82	23.91	1480.
20	8.70	30.84	23.94	1481.
30	8.45	31.21	24.26	1480.
50	8.35	31.33	24.37	1480.
75	8.36	31.33	24.37	1481.
100	8.33	31.39	24.42	1481.

STATION J 7 CRUISE 78-15 CONS #178
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 0:12:43 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.76	30.75	23.86	1480.
10	8.75	30.76	23.87	1480.
20	8.72	30.80	23.90	1481.
30	8.71	30.81	23.91	1481.
50	8.52	31.01	24.09	1491.
75	8.34	31.38	24.41	1481.

STATION J 7 CRUISE 78-15 CONS #180
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 1: 3:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.73	30.70	23.82	1480.
10	8.71	30.74	23.86	1480.
20	8.71	30.76	23.87	1480.
30	8.59	30.94	24.04	1480.
50	8.40	31.22	24.28	1480.
75	8.33	31.42	24.44	1481.

STATION J 7 CRUISE 78-15 CONS #182
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 1:46:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.70	30.75	23.87	1480.
10	8.49	31.05	24.14	1480.
20	8.39	31.23	24.29	1480.
30	8.35	31.33	24.37	1480.
50	8.33	31.39	24.42	1480.
75	8.33	31.41	24.44	1481.
100	8.32	31.43	24.45	1481.

STATION J 7 CRUISE 78-15 CONS #184
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 2:32:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.63	30.81	23.92	1480.
10	8.62	30.84	23.95	1480.
20	8.60	30.87	23.98	1480.
30	8.57	30.92	24.02	1480.
50	8.43	31.17	24.24	1480.
75	8.34	31.37	24.40	1481.

STATION J 7 CRUISE 78-15 CONS #186
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 3:18: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.61	30.80	23.92	1480.
10	8.61	30.82	23.93	1480.
20	8.58	30.84	23.95	1480.
30	8.57	30.86	23.97	1480.
50	8.52	30.99	24.08	1481.
75	8.42	31.19	24.25	1481.

STATION J 7 CRUISE 78-15 CONS #188
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 4:19:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.56	30.82	23.94	1480.
10	8.56	30.82	23.94	1480.
20	8.55	30.88	23.99	1480.
30	8.55	30.90	24.00	1480.
50	8.54	30.94	24.04	1481.
75	8.53	30.99	24.08	1481.
100	8.45	31.16	24.22	1481.
125	8.34	31.41	24.43	1482.

STATION J 7 CRUISE 78-15 CONS #190
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 5:12:56 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.55	30.87	23.98	1480.
10	8.56	30.89	23.99	1480.
20	8.56	30.90	24.00	1480.
30	8.56	30.89	24.00	1480.
50	8.55	30.94	24.03	1481.
75	8.53	30.99	24.08	1481.

STATION J 7 CRUISE 78-15 CONS #192
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 5:50:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.58	30.83	23.95	1480.
10	8.58	30.87	23.98	1480.
20	8.58	30.85	23.96	1480.
30	8.59	30.87	23.97	1480.
50	8.57	30.90	24.01	1481.
75	8.52	31.01	24.09	1481.

STATION J 7 CRUISE 78-15 CONS #194
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 6:28:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.62	30.83	23.94	1480.
10	8.61	30.86	23.96	1480.
20	8.62	30.84	23.95	1480.
30	8.62	30.84	23.95	1480.
50	8.59	30.86	23.97	1481.
75	8.48	31.13	24.19	1481.

STATION J 7 CRUISE 78-15 CONS #196
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 7: 3: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.65	30.79	23.91	1480.
10	8.63	30.79	23.91	1480.
20	8.63	30.81	23.92	1480.
30	8.64	30.79	23.90	1480.
50	8.63	30.85	23.95	1481.
75	8.39	31.20	24.33	1481.

STATION J 7 CRUISE 78-15 CONS #198
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 7:37:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.67	30.72	23.85	1480.
10	8.65	30.77	23.89	1480.
20	8.62	30.82	23.93	1480.
30	8.63	30.81	23.92	1480.
50	8.61	30.86	23.96	1481.
75	8.38	31.30	24.34	1481.

STATION J 7 CRUISE 78-15 CONS #200
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 8:11:51 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.63	30.86	23.97	1480.
10	8.58	30.90	24.00	1480.
20	8.56	30.95	24.04	1480.
30	8.46	31.16	24.22	1480.
50	8.39	31.28	24.32	1480.
75	8.32	31.41	24.44	1481.

STATION J 7 CRUISE 78-15 CONS #202
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 8:47:35 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.64	30.77	23.89	1480.
10	8.59	30.88	23.98	1480.
20	8.41	31.21	24.27	1480.
30	8.38	31.29	24.34	1480.
50	8.32	31.40	24.43	1480.
75	8.32	31.43	24.45	1481.

STATION J 7 CRUISE 78-15 CONS #204
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 9:21:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.61	30.83	23.94	1480.
10	8.59	30.85	23.96	1480.
20	8.44	31.15	24.22	1480.
30	8.37	31.31	24.35	1480.
50	8.32	31.40	24.43	1480.
75	8.31	31.43	24.46	1481.

STATION J 7 CRUISE 78-15 CONS #206
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 9:54:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.72	30.75	23.86	1480.
10	8.63	30.89	23.99	1480.
20	8.55	30.94	24.04	1480.
30	8.54	30.97	24.06	1480.
50	8.34	31.33	24.37	1480.
75	8.31	31.46	24.48	1481.

STATION J 7 CRUISE 78-15 CONS #208
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 10:28:57 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.63	30.88	23.97	1480.
10	8.63	30.87	23.97	1480.
20	8.59	30.92	24.01	1480.
30	8.55	30.94	24.04	1480.
50	8.38	31.28	24.33	1480.
75	8.32	31.41	24.44	1481.

STATION J 7 CRUISE 78-15 CONS #210
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 11: 3: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.78	30.78	23.88	1480.
10	8.71	30.81	23.91	1480.
20	8.61	30.87	23.97	1480.
30	8.61	30.85	23.96	1480.
50	8.57	30.92	24.02	1481.
75	8.36	31.31	24.36	1481.

STATION J 7 CRUISE 78-15 CONS #212
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 11:44:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.70	30.79	23.90	1480.
10	8.65	30.84	23.94	1480.
20	8.58	30.87	23.98	1480.
30	8.57	30.92	24.02	1480.
50	8.54	30.97	24.06	1481.
75	8.49	31.07	24.14	1481.

STATION J 7 CRUISE 78-15 CONS #214
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 12:23:29 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.75	30.78	23.88	1480.
10	8.69	30.85	23.95	1480.
20	8.70	30.85	23.95	1481.
30	8.70	30.86	23.95	1481.
50	8.55	30.98	24.06	1481.
75	8.43	31.10	24.18	1481.

STATION J 7 CRUISE 78-15 CONS #216
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 13:10:13 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.81	30.79	23.88	1481.
10	8.60	30.85	23.96	1480.
20	8.56	30.91	24.01	1480.
30	8.55	30.95	24.05	1480.
50	8.45	31.14	24.20	1480.
75	8.36	31.34	24.38	1481.

STATION J 7 CRUISE 78-15 CONS #218
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 13:49: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.60	30.82	23.94	1480.
10	8.55	30.95	24.05	1480.
20	8.50	31.04	24.12	1480.
30	8.42	31.21	24.27	1480.
50	8.40	31.23	24.29	1480.
75	8.33	31.39	24.42	1481.

STATION J 7 CRUISE 78-15 CONS #220
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 14:27:59 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.81	30.76	23.86	1481.
10	8.70	30.78	23.89	1480.
20	8.58	30.92	24.02	1480.
30	8.54	30.98	24.07	1480.
50	8.40	31.23	24.28	1480.
75	8.34	31.37	24.40	1481.
100	8.32	31.42	24.45	1481.

STATION J 7 CRUISE 78-15 CONS #222
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 15: 5: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.85	30.79	23.87	1481.
10	8.77	30.78	23.88	1481.
20	8.59	30.91	24.01	1480.
30	8.55	30.97	24.06	1480.
50	8.36	31.27	24.32	1480.
75	8.36	31.35	24.38	1481.

STATION J 7 CRUISE 78-15 CONS #224
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 15:42: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.76	30.75	23.86	1480.
10	8.69	30.83	23.93	1480.
20	8.58	30.93	24.03	1480.
30	8.46	31.14	24.21	1480.
50	8.41	31.22	24.28	1480.
75	8.36	31.34	24.38	1481.

STATION J 7 CRUISE 78-15 CONS #226
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 16:20: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.94	30.62	23.73	1481.
10	8.63	30.84	23.94	1480.
20	8.60	30.86	23.97	1480.
30	8.58	30.93	24.02	1480.
50	8.47	31.11	24.18	1491.
75	8.38	31.30	24.34	1481.

STATION J 7 CRUISE 78-15 CONS #228
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 17: 1:33 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.94	30.35	23.52	1480.
10	8.90	30.43	23.59	1481.
20	8.83	30.58	23.72	1481.
30	8.70	30.73	23.85	1481.
50	8.70	30.74	23.86	1481.
75	8.63	30.87	23.97	1481.

STATION J 7 CRUISE 78-15 CONS #230
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 17:36:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.81	30.71	23.82	1480.
10	8.72	30.68	23.81	1480.
20	8.68	30.75	23.87	1480.
30	8.56	30.78	23.90	1480.
50	8.63	30.85	23.95	1481.
75	8.62	30.89	23.99	1481.

STATION J 7 CRUISE 78-15 CONS #232
 POSITION 50-26.9N 126- 2.1W
 DATE 78/ 5/30 TIME 18:13:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.84	30.49	23.64	1480.
10	8.84	30.54	23.68	1481.
20	8.70	30.76	23.87	1480.
30	8.68	30.77	23.89	1481.
50	8.61	30.89	23.99	1481.
75	8.37	31.30	24.34	1481.
100	8.37	31.34	24.38	1481.

STATION J 7 CRUISE 78-15 CONS #234
POSITION 50-26.9N 126- 2.1W
DATE 78/ 5/30 TIME 18:51: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.83	30.62	23.75	1480.
10	8.80	30.67	23.79	1481.
20	8.66	30.83	23.93	1480.
30	8.61	30.92	24.01	1480.
50	8.58	30.99	24.08	1481.
75	8.34	31.38	24.41	1481.

STATION J 6A CRUISE 78-15 CONS #161
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/29 TIME 18:41:47 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.72	23.85	1480.
10	8.66	30.74	23.86	1480.
20	8.61	30.79	23.91	1480.
30	8.60	30.81	23.93	1480.
50	8.58	30.88	23.99	1481.
75	8.52	31.00	24.09	1481.
100	8.46	31.11	24.18	1481.
125	8.42	31.23	24.28	1482.
150	8.39	31.28	24.33	1482.
175	8.38	31.33	24.37	1482.
200	8.38	31.34	24.37	1483.

STATION J6A CRUISE 78-15 CONS #163
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/29 TIME 19:27: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.62	30.78	23.90	1480.
10	8.63	30.80	23.91	1480.
20	8.58	30.88	23.99	1480.
30	8.58	30.87	23.97	1480.
50	8.57	30.90	24.00	1481.
75	8.51	31.04	24.12	1481.
100	8.46	31.12	24.19	1481.
125	8.41	31.24	24.29	1482.
150	8.39	31.29	24.33	1482.
175	8.35	31.40	24.43	1482.
200	8.34	31.44	24.46	1483.

STATION J6A CRUISE 78-15 CONS #165
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/29 TIME 20: 4:36 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.66	30.85	23.95	1480.
10	8.65	30.78	23.89	1480.
20	8.65	30.76	23.88	1480.
30	8.64	30.79	23.91	1480.
50	8.54	30.95	24.05	1481.
75	8.52	31.01	24.09	1481.
100	8.45	31.15	24.22	1481.
125	8.40	31.28	24.32	1482.
150	8.40	31.27	24.32	1482.
175	8.37	31.35	24.38	1482.
200	8.34	31.41	24.43	1483.

STATION J6A CRUISE 78-15 CONS #167
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/29 TIME 20:42:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.74	30.76	23.87	1480.
10	8.63	30.80	23.91	1480.
20	8.59	30.85	23.96	1480.
30	8.56	30.91	24.01	1480.
50	8.48	31.05	24.13	1480.
75	8.47	31.08	24.16	1481.
100	8.36	31.35	24.38	1481.
125	8.38	31.31	24.35	1482.
150	8.35	31.35	24.39	1482.
175	8.34	31.43	24.45	1482.
200	8.34	31.43	24.45	1483.

STATION J6A CRUISE 78-15 CONS #169
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/29 TIME 21:18:49 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.83	30.77	23.86	1481.
10	8.71	30.76	23.87	1480.
20	8.69	30.79	23.90	1480.
30	8.64	30.83	23.94	1480.
50	8.51	31.01	24.10	1481.
75	8.47	31.09	24.17	1481.
100	8.38	31.29	24.33	1481.
125	8.38	31.29	24.34	1482.
150	8.36	31.32	24.36	1482.
175	8.34	31.44	24.46	1482.
200	8.34	31.44	24.46	1483.

STATION J6A CRUISE 78-15 CONS #171
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/29 TIME 21:55:36 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.66	30.80	23.91	1480.
10	8.66	30.82	23.93	1480.
20	8.61	30.87	23.97	1480.
30	8.57	30.92	24.02	1480.
50	8.55	30.94	24.04	1481.
75	8.47	31.08	24.16	1481.
100	8.36	31.32	24.36	1481.
125	8.36	31.32	24.36	1482.
150	8.36	31.35	24.38	1482.
175	8.35	31.36	24.39	1482.
200	8.34	31.42	24.44	1483.

STATION J6A CRUISE 78-15 CONS #173
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/29 TIME 22:30:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.75	30.81	23.91	1480.
10	8.72	30.80	23.91	1480.
20	8.73	30.78	23.89	1481.
30	8.70	30.82	23.92	1481.
50	8.49	31.04	24.12	1480.
75	8.45	31.14	24.20	1481.
100	8.37	31.29	24.33	1481.
125	8.36	31.33	24.37	1482.
150	8.35	31.35	24.38	1482.
175	8.35	31.38	24.41	1482.
200	8.34	31.43	24.45	1483.

STATION J6A CRUISE 78-15 CONS #175
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/29 TIME 23: 8:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.75	30.62	23.76	1480.
10	8.76	30.71	23.82	1480.
20	8.75	30.72	23.84	1481.
30	8.72	30.77	23.88	1481.
50	8.57	30.93	24.03	1481.
75	8.40	31.22	24.28	1481.
100	8.36	31.33	24.37	1481.
125	8.35	31.36	24.39	1482.
150	8.33	31.42	24.45	1482.
175	8.34	31.42	24.44	1482.

STATION J 6A CRUISE 78-15 CONS #177
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/29 TIME 23:50:35 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.72	30.65	23.78	1480.
10	8.72	30.69	23.82	1480.
20	8.72	30.71	23.83	1480.
30	8.72	30.71	23.83	1481.
50	8.59	30.92	24.01	1481.
75	8.44	31.15	24.22	1481.
100	8.40	31.24	24.29	1481.
125	8.35	31.34	24.38	1482.
150	8.35	31.38	24.41	1482.
175	8.34	31.41	24.43	1482.
200	8.34	31.45	24.47	1483.

STATION J 6A CRUISE 78-15 CONS #179
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 0:32:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.67	30.70	23.83	1480.
10	8.65	30.77	23.89	1480.
20	8.64	30.81	23.92	1480.
30	8.62	30.86	23.97	1480.
50	8.61	30.91	24.00	1481.
75	8.49	31.05	24.13	1481.
100	8.40	31.24	24.30	1481.
125	8.36	31.32	24.36	1482.
150	8.35	31.37	24.40	1482.
175	8.34	31.41	24.43	1482.
200	8.34	31.42	24.44	1483.

STATION J 6A CRUISE 78-15 CONS #181
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 1:27:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.65	30.74	23.86	1480.
10	8.64	30.77	23.89	1480.
20	8.64	30.79	23.91	1480.
30	8.63	30.82	23.93	1480.
50	8.54	30.99	24.08	1481.
75	8.47	31.08	24.16	1481.
100	8.40	31.24	24.29	1481.
125	8.39	31.28	24.33	1482.
150	8.40	31.27	24.32	1482.
175	8.37	31.34	24.38	1482.
200	8.36	31.38	24.41	1483.

STATION J 6A CRUISE 78-15 CONS #183
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 2:11:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.63	30.47	23.66	1479.
10	8.62	30.81	23.93	1480.
20	8.60	30.83	23.94	1480.
30	8.59	30.84	23.95	1480.
50	8.57	30.89	24.00	1481.
75	8.53	30.99	24.08	1481.
100	8.51	31.03	24.11	1481.
125	8.46	31.14	24.21	1482.
150	8.36	31.36	24.39	1482.
175	8.36	31.36	24.39	1482.
200	8.36	31.37	24.40	1483.

STATION J 6A CRUISE 78-15 CONS #185
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 2:58:42 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.56	30.81	23.93	1480.
10	8.56	30.84	23.95	1480.
20	8.56	30.85	23.96	1480.
30	8.56	30.87	23.98	1480.
50	8.55	30.93	24.03	1481.
75	8.53	30.98	24.07	1481.
100	8.53	30.99	24.08	1481.
125	8.54	31.00	24.08	1482.
150	8.49	31.11	24.18	1482.
175	8.39	31.31	24.35	1482.
200	8.40	31.29	24.33	1483.

STATION J 6A CRUISE 78-15 CONS #187
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 3:58:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.59	30.69	23.84	1480.
10	8.60	30.80	23.92	1480.
20	8.59	30.84	23.95	1480.
30	8.57	30.89	23.99	1480.
50	8.59	30.88	23.98	1481.
75	8.59	30.85	23.96	1481.
100	8.59	30.88	23.98	1481.
125	8.56	30.93	24.03	1482.
150	8.50	31.08	24.16	1482.
175	8.46	31.16	24.23	1483.
200	8.36	31.39	24.41	1483.

STATION J 6A CRUISE 78-15 CONS #189
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 4:47:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.65	30.75	23.87	1480.
10	8.62	30.81	23.92	1480.
20	8.60	30.83	23.95	1480.
30	8.61	30.82	23.93	1480.
50	8.62	30.80	23.92	1481.
75	8.60	30.84	23.95	1481.
100	8.60	30.86	23.96	1481.
125	8.58	30.91	24.00	1482.
150	8.54	31.02	24.10	1482.
175	8.46	31.18	24.24	1483.

STATION J 6A CRUISE 78-15 CONS #191
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 5:29:57 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.65	23.79	1480.
10	8.68	30.70	23.83	1480.
20	8.66	30.74	23.87	1480.
30	8.66	30.73	23.86	1480.
50	8.66	30.74	23.86	1481.
75	8.58	30.87	23.98	1481.
100	8.57	30.91	24.01	1481.
125	8.56	30.96	24.05	1482.
150	8.52	31.02	24.10	1482.
175	8.49	31.12	24.18	1483.
200	8.46	31.19	24.25	1483.

STATION J 6A CRUISE 78-15 CONS #193
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 6: 7: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.68	30.69	23.82	1480.
10	8.66	30.72	23.85	1480.
20	8.65	30.74	23.87	1480.
30	8.67	30.72	23.85	1480.
50	8.63	30.78	23.90	1481.
75	8.60	30.87	23.98	1481.
100	8.59	30.88	23.99	1481.
125	8.58	30.91	24.01	1482.
150	8.55	30.98	24.06	1482.
175	8.53	31.01	24.09	1483.

STATION J 6A CRUISE 78-15 CONS #195
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 6:41:59 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.69	30.61	23.76	1480.
10	8.70	30.63	23.77	1480.
20	8.67	30.68	23.82	1480.
30	8.63	30.77	23.89	1480.
50	8.61	30.81	23.93	1481.
75	8.61	30.82	23.93	1481.
100	8.60	30.86	23.96	1481.
125	8.58	30.90	24.00	1482.
150	8.55	30.98	24.07	1482.
175	8.45	31.18	24.24	1483.
200	8.42	31.24	24.29	1483.

STATION J6A CRUISE 78-15 CONS #197
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 7:16: 4 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.66	30.70	23.83	1480.
10	8.63	30.76	23.88	1480.
20	8.61	30.79	23.91	1480.
30	8.60	30.82	23.94	1480.
50	8.60	30.84	23.95	1481.
75	8.59	30.86	23.97	1481.
100	8.58	30.90	24.00	1481.
125	8.56	30.96	24.05	1482.
150	8.51	31.07	24.14	1482.
175	8.46	31.16	24.22	1483.
200	8.46	31.17	24.23	1483.

STATION J6A CRUISE 78-15 CONS #199
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 7:52:34 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.68	30.76	23.88	1480.
10	8.63	30.77	23.90	1480.
20	8.62	30.78	23.90	1480.
30	8.62	30.79	23.91	1480.
50	8.62	30.81	23.92	1481.
75	8.59	30.87	23.98	1481.
100	8.58	30.91	24.01	1481.
125	8.54	30.98	24.07	1482.
150	8.51	31.04	24.12	1482.
175	8.47	31.13	24.20	1483.
200	8.43	31.25	24.29	1483.

STATION J6A CRUISE 78-15 CONS #201
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 8:25:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.72	30.74	23.86	1480.
10	8.66	30.77	23.89	1480.
20	8.63	30.79	23.91	1480.
30	8.62	30.80	23.91	1480.
50	8.59	30.86	23.97	1481.
75	8.58	30.91	24.01	1481.
100	8.48	31.10	24.17	1481.
125	8.45	31.17	24.23	1482.
150	8.44	31.22	24.27	1482.
175	8.40	31.28	24.32	1482.
200	8.40	31.30	24.34	1483.

STATION J6A CRUISE 78-15 CONS #203
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 9: 1:28 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.79	30.72	23.83	1480.
10	8.64	30.79	23.91	1480.
20	8.61	30.81	23.92	1480.
30	8.61	30.82	23.94	1480.
50	8.57	30.91	24.01	1481.
75	8.53	31.00	24.09	1481.
100	8.47	31.12	24.19	1481.
125	8.43	31.22	24.27	1482.
150	8.42	31.24	24.29	1482.
175	8.42	31.26	24.30	1483.

STATION J6A CRUISE 78-15 CONS #205
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 9:35:36 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.83	30.84	23.92	1481.
10	8.62	30.81	23.93	1480.
20	8.59	30.85	23.96	1480.
30	8.57	30.91	24.01	1480.
50	8.57	30.91	24.01	1481.
75	8.52	31.02	24.10	1481.
100	8.42	31.22	24.28	1481.
125	8.37	31.34	24.38	1482.
150	8.36	31.36	24.40	1482.
175	8.38	31.34	24.38	1482.
200	8.38	31.34	24.38	1483.

STATION J6A CRUISE 78-15 CONS #207
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 10: 9:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.73	30.67	23.80	1480.
10	8.70	30.75	23.86	1480.
20	8.60	30.84	23.95	1480.
30	8.59	30.86	23.97	1480.
50	8.58	30.89	23.99	1481.
75	8.56	30.94	24.04	1481.
100	8.46	31.14	24.20	1481.
125	8.37	31.34	24.37	1482.
150	8.35	31.38	24.41	1482.
175	8.36	31.37	24.40	1482.
200	8.35	31.39	24.42	1483.

STATION J6A CRUISE 78-15 CONS #209
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 10:42: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.72	30.70	23.82	1480.
10	8.64	30.80	23.92	1480.
20	8.60	30.84	23.95	1480.
30	8.59	30.88	23.98	1480.
50	8.58	30.89	23.99	1481.
75	8.57	30.90	24.00	1481.
100	8.53	31.00	24.09	1481.
125	8.40	31.27	24.32	1482.
150	8.37	31.34	24.38	1482.
175	8.34	31.42	24.44	1482.
200	8.35	31.40	24.43	1483.

STATION J 6A CRUISE 78-15 CONS #211
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 11:25: 1 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.76	30.80	23.90	1480.
10	8.63	30.83	23.94	1480.
20	8.58	30.88	23.99	1480.
30	8.57	30.89	24.00	1480.
50	8.53	30.99	24.08	1481.
75	8.50	31.03	24.12	1481.
100	8.40	31.25	24.30	1481.
125	8.40	31.27	24.32	1482.
150	8.39	31.30	24.34	1482.
175	8.37	31.34	24.38	1482.
200	8.35	31.42	24.44	1483.

STATION J 6A CRUISE 78-15 CONS #213
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 12: 4: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.65	30.85	23.95	1480.
10	8.58	30.90	24.00	1480.
20	8.56	30.95	24.05	1480.
30	8.54	30.98	24.07	1480.
50	8.43	31.19	24.25	1480.
75	8.40	31.25	24.30	1481.
100	8.40	31.27	24.32	1481.
125	8.39	31.30	24.34	1482.
150	8.38	31.31	24.35	1482.
175	8.34	31.44	24.46	1482.

STATION J 6A CRUISE 78-15 CONS #215
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 12:44:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.78	30.74	23.84	1480.
10	8.77	30.73	23.84	1481.
20	8.68	30.77	23.89	1480.
30	8.66	30.79	23.90	1480.
50	8.60	30.88	23.98	1481.
75	8.56	30.94	24.04	1481.
100	8.54	31.00	24.08	1481.
125	8.49	31.10	24.17	1482.
150	8.41	31.24	24.30	1482.
175	8.39	31.31	24.35	1482.
200	8.34	31.43	24.45	1483.

STATION J 6A CRUISE 78-15 CONS #217
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 13:29:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.85	30.63	23.75	1481.
10	8.79	30.75	23.85	1481.
20	8.69	30.78	23.89	1480.
30	8.64	30.79	23.91	1480.
50	8.59	30.86	23.97	1481.
75	8.47	31.11	24.18	1481.
100	8.39	31.26	24.31	1481.
125	8.38	31.29	24.33	1482.
150	8.38	31.31	24.35	1482.
175	8.38	31.33	24.37	1482.
200	8.34	31.44	24.46	1483.

STATION J 6A CRUISE 78-15 CONS #219
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 14: 9:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.80	30.73	23.84	1480.
10	8.63	30.81	23.92	1480.
20	8.64	30.86	23.96	1480.
30	8.58	30.94	24.03	1480.
50	8.50	31.06	24.14	1481.
75	8.43	31.19	24.25	1481.
100	8.38	31.30	24.34	1481.
125	8.37	31.33	24.37	1482.
150	8.35	31.39	24.42	1482.
175	8.34	31.42	24.44	1482.
200	8.34	31.44	24.46	1483.

STATION J 6A CRUISE 78-15 CONS #221
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 14:47:40 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.99	30.56	23.68	1481.
10	8.72	30.75	23.86	1480.
20	8.69	30.79	23.90	1480.
30	8.61	30.83	23.94	1480.
50	8.57	30.95	24.05	1481.
75	8.41	31.24	24.29	1481.
100	8.38	31.30	24.34	1481.
125	8.36	31.36	24.39	1482.
150	8.34	31.42	24.44	1482.
175	8.34	31.43	24.45	1482.

STATION J 6A CRUISE 78-15 CONS #223
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 15:24:12 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.94	30.52	23.65	1481.
10	8.63	30.80	23.91	1480.
20	8.61	30.84	23.95	1480.
30	8.60	30.89	23.99	1480.
50	8.54	30.98	24.07	1481.
75	8.46	31.14	24.21	1481.
100	8.42	31.25	24.30	1481.
125	8.38	31.31	24.35	1482.
150	8.36	31.37	24.40	1482.
175	8.34	31.41	24.44	1482.
200	8.34	31.43	24.45	1483.

STATION J 6A CRUISE 78-15 CONS #225
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 16: 2:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.85	30.45	23.61	1480.
10	8.84	30.55	23.69	1481.
20	8.74	30.69	23.82	1480.
30	8.69	30.78	23.89	1481.
50	8.69	30.76	23.88	1481.
75	8.59	30.93	24.03	1481.
100	8.47	31.14	24.21	1481.
125	8.39	31.29	24.33	1482.
150	8.36	31.36	24.39	1482.
175	8.35	31.40	24.42	1482.
200	8.34	31.43	24.45	1483.

STATION J 6A CRUISE 78-15 CONS #227
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 16:38:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.74	30.74	23.85	1480.
10	8.68	30.80	23.91	1480.
20	8.68	30.79	23.90	1480.
30	8.67	30.82	23.93	1481.
50	8.61	30.90	23.99	1481.
75	8.52	31.05	24.13	1481.
100	8.42	31.24	24.29	1481.
125	8.39	31.29	24.34	1482.
150	8.37	31.35	24.38	1482.
175	8.34	31.41	24.44	1482.
200	8.34	31.43	24.45	1483.

STATION J 6A CRUISE 78-15 CONS #229
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 17:18:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.83	30.52	23.66	1480.
10	8.76	30.65	23.78	1480.
20	8.69	30.77	23.89	1480.
30	8.66	30.83	23.93	1481.
50	8.59	30.93	24.02	1481.
75	8.52	31.06	24.13	1481.
100	8.42	31.23	24.28	1481.
125	8.39	31.30	24.34	1482.
150	8.38	31.32	24.36	1482.
175	8.36	31.39	24.42	1482.
200	8.34	31.44	24.46	1483.

STATION J 6A CRUISE 78-15 CONS #231
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 17:55:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.78	30.54	23.69	1480.
10	8.75	30.62	23.76	1480.
20	8.73	30.67	23.80	1480.
30	8.71	30.71	23.83	1481.
50	8.61	30.89	23.99	1481.
75	8.57	30.96	24.05	1481.
100	8.46	31.17	24.23	1481.
125	8.42	31.23	24.29	1482.
150	8.41	31.27	24.32	1482.
175	8.41	31.29	24.33	1482.
200	8.38	31.34	24.37	1483.

STATION J 6A CRUISE 78-15 CONS #233
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 18:32:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.83	30.57	23.71	1480.
10	8.76	30.66	23.79	1480.
20	8.73	30.69	23.82	1480.
30	8.70	30.75	23.87	1481.
50	8.63	30.88	23.98	1481.
75	8.62	30.90	23.99	1481.
100	8.58	30.96	24.05	1482.
125	8.49	31.12	24.18	1482.
150	8.44	31.21	24.26	1482.
175	8.41	31.27	24.32	1483.
200	8.38	31.35	24.38	1483.

STATION J 6A CRUISE 78-15 CONS #235
 POSITION 50-26.0N 126- .3W
 DATE 78/ 5/30 TIME 19: 9:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.81	30.59	23.73	1480.
10	8.73	30.70	23.82	1480.
20	8.67	30.79	23.90	1480.
30	8.65	30.84	23.95	1480.
50	8.64	30.86	23.96	1481.
75	8.63	30.87	23.97	1481.
100	8.56	30.98	24.07	1481.
125	8.49	31.13	24.19	1482.
150	8.47	31.18	24.23	1482.
175	8.44	31.22	24.27	1483.
200	8.36	31.40	24.42	1483.

STATION J 5 CRUISE 78-15 CONS #236
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/30 TIME 19:36:27 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.84	30.63	23.75	1480.
10	8.68	30.76	23.88	1480.
20	8.69	30.77	23.88	1480.
30	8.69	30.77	23.88	1481.
50	8.65	30.83	23.94	1481.
75	8.65	30.84	23.94	1481.
100	8.67	30.82	23.93	1482.
125	8.58	31.01	24.09	1482.

STATION J 5 CRUISE 78-15 CONS #237
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/30 TIME 20: 0: 3 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.82	30.59	23.72	1480.
10	8.82	30.56	23.70	1480.
20	8.68	30.78	23.90	1480.
30	8.67	30.80	23.91	1481.
50	8.67	30.80	23.91	1481.
75	8.68	30.79	23.90	1481.
100	8.67	30.81	23.92	1482.
125	8.46	31.17	24.23	1482.

STATION J 5 CRUISE 78-15 CONS #238
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/30 TIME 20:33:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.86	30.59	23.72	1481.
10	8.86	30.60	23.73	1481.
20	8.80	30.64	23.76	1481.
30	8.73	30.71	23.83	1481.
50	8.69	30.77	23.88	1481.
75	8.55	31.01	24.09	1481.
100	8.54	31.04	24.12	1481.
125	8.54	31.04	24.11	1482.

STATION J 5 CRUISE 78-15 CONS #239
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/30 TIME 20:59:49 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.82	30.69	23.80	1480.
10	8.82	30.63	23.76	1481.
20	8.77	30.69	23.81	1481.
30	8.69	30.80	23.91	1481.
50	8.68	30.84	23.94	1481.
75	8.59	30.95	24.04	1481.
100	8.48	31.13	24.20	1481.
125	8.43	31.22	24.28	1482.

STATION J 5 CRUISE 78-15 CONS #240
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/30 TIME 21:27:30 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.76	30.71	23.83	1480.
10	8.74	30.71	23.83	1480.
20	8.71	30.74	23.86	1480.
30	8.66	30.81	23.92	1480.
50	8.65	30.84	23.94	1481.
75	8.57	30.96	24.05	1481.
100	8.47	31.15	24.21	1481.
125	8.43	31.23	24.28	1482.

STATION J 5 CRUISE 78-15 CONS #241
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/30 TIME 22:27:45 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.84	19.51	15.09	1466.
10	8.74	30.73	23.85	1480.
20	8.68	30.79	23.90	1480.
30	8.62	30.87	23.97	1480.
50	8.55	30.99	24.08	1481.
75	8.48	31.14	24.20	1481.
100	8.42	31.23	24.29	1481.
125	8.37	31.35	24.39	1482.

STATION J 5 CRUISE 78-15 CONS #242
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/30 TIME 23:30:47 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.71	30.76	23.87	1480.
10	8.70	30.76	23.87	1480.
20	8.63	30.86	23.96	1480.
30	8.59	30.94	24.03	1480.
50	8.55	31.00	24.09	1481.
75	8.49	31.12	24.18	1481.
100	8.46	31.16	24.22	1481.
125	8.40	31.26	24.31	1482.

STATION J 5 CRUISE 78-15 CONS #243
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 0:31:15 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.72	30.75	23.87	1480.
10	8.72	30.74	23.86	1480.
20	8.71	30.75	23.87	1480.
30	8.68	30.80	23.91	1481.
50	8.55	31.01	24.09	1481.
75	8.42	31.21	24.27	1481.
100	8.36	31.34	24.38	1481.
125	8.36	31.35	24.39	1482.

STATION J 5 CRUISE 78-15 CONS #244
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 1:30:58 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.83	28.89	22.40	1478.
10	8.65	30.70	23.83	1480.
20	8.61	30.87	23.97	1480.
30	8.60	30.88	23.98	1480.
50	8.55	31.03	24.11	1481.
75	8.55	31.02	24.10	1481.
100	8.50	31.13	24.19	1481.
125	8.39	31.31	24.35	1482.

STATION J 5 CRUISE 78-15 CONS #245
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 2:30:30 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.63	30.87	23.97	1480.
10	8.63	30.87	23.97	1480.
20	8.61	30.90	24.00	1480.
30	8.62	30.89	23.99	1480.
50	8.61	30.93	24.02	1481.
75	8.61	30.94	24.03	1481.
100	8.59	30.96	24.05	1482.

STATION J 5 CRUISE 78-15 CONS #246
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 3:34:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.68	30.71	23.84	1480.
10	8.68	30.74	23.86	1480.
20	8.68	30.77	23.88	1480.
30	8.68	30.75	23.87	1481.
50	8.67	30.77	23.88	1481.
75	8.70	30.72	23.84	1481.
100	8.71	30.72	23.84	1482.
125	8.68	30.78	23.89	1482.
150	8.64	30.89	23.98	1482.

STATION J 5 CRUISE 78-15 CONS #247
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 4:29: 8 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.67	30.67	23.81	1480.
10	8.66	30.76	23.88	1480.
20	8.65	30.78	23.90	1480.
30	8.66	30.79	23.90	1480.
50	8.65	30.81	23.92	1481.
75	8.64	30.85	23.96	1481.
100	8.64	30.87	23.97	1482.
125	8.65	30.86	23.96	1482.

STATION J 5 CRUISE 78-15 CONS #248
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 5:34:40 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.73	30.65	23.78	1480.
10	8.74	30.66	23.79	1480.
20	8.74	30.66	23.79	1480.
30	8.75	30.64	23.78	1481.
50	8.79	30.57	23.71	1481.
75	8.77	30.59	23.73	1481.
100	8.66	30.82	23.93	1482.

STATION J 5 CRUISE 78-15 CONS #249
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 6: 1: 3 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.78	30.66	23.78	1480.
10	8.77	30.59	23.73	1480.
20	8.77	30.60	23.74	1480.
30	8.77	30.60	23.74	1481.
50	8.75	30.64	23.77	1481.
75	8.75	30.66	23.79	1481.
100	8.70	30.76	23.88	1482.

STATION J 5 CRUISE 78-15 CONS #250
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 6:28:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.71	30.70	23.82	1480.
10	8.71	30.69	23.82	1480.
20	8.72	30.70	23.82	1480.
30	8.72	30.68	23.81	1481.
50	8.71	30.72	23.84	1481.
75	8.71	30.74	23.85	1481.
100	8.71	30.73	23.85	1482.
125	8.69	30.77	23.89	1482.

STATION J 5 CRUISE 78-15 CONS #251
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 7:29:10 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.72	30.66	23.80	1480.
10	8.72	30.68	23.81	1480.
20	8.72	30.68	23.81	1480.
30	8.72	30.69	23.82	1481.
50	8.72	30.69	23.82	1481.
75	8.72	30.69	23.81	1481.
100	8.73	30.69	23.81	1482.
125	8.72	30.72	23.84	1482.

STATION J 5 CRUISE 78-15 CONS #252
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 8:29:40 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.89	30.42	23.58	1480.
10	8.81	30.54	23.69	1480.
20	8.77	30.60	23.74	1480.
30	8.75	30.65	23.78	1481.
50	8.76	30.66	23.79	1481.
75	8.75	30.66	23.79	1481.
100	8.75	30.69	23.81	1482.

STATION J 5 CRUISE 78-15 CONS #253
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 8:58:24 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.80	30.62	23.75	1480.
10	8.76	30.64	23.77	1480.
20	8.76	30.63	23.76	1480.
30	8.76	30.63	23.77	1481.
50	8.76	30.64	23.77	1481.
75	8.74	30.70	23.82	1481.
100	8.67	30.81	23.92	1482.
125	8.66	30.84	23.94	1482.

STATION J 5 CRUISE 78-15 CONS #254
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 9:28:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.79	30.71	23.82	1480.
10	8.76	30.69	23.81	1480.
20	8.76	30.68	23.80	1481.
30	8.78	30.66	23.78	1481.
50	8.73	30.72	23.84	1481.
75	8.69	30.79	23.90	1481.
100	8.66	30.84	23.94	1482.
125	8.55	31.04	24.11	1482.

STATION J 5 CRUISE 78-15 CONS #255
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 9:58:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.84	30.62	23.74	1480.
10	8.81	30.62	23.75	1481.
20	8.72	30.71	23.84	1480.
30	8.70	30.74	23.86	1481.
50	8.69	30.77	23.88	1481.
75	8.63	30.88	23.98	1481.
100	8.56	31.03	24.10	1482.
125	8.53	31.07	24.14	1482.

STATION J 5 CRUISE 78-15 CONS #256
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 10:27:43 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0*	8.90	30.64	23.75	1481.
10	8.73	30.71	23.83	1480.
20	8.71	30.72	23.84	1480.
30	8.70	30.76	23.87	1481.
50	8.69	30.75	23.87	1481.
75	8.63	30.88	23.97	1481.
100	8.58	30.98	24.06	1482.
125	8.53	31.08	24.15	1482.

STATION J 5 CRUISE 78-15 CONS #257
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 10:58: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.94	30.67	23.77	1481.
10	8.76	30.73	23.84	1480.
20	8.72	30.75	23.86	1480.
30	8.71	30.75	23.87	1481.
50	8.67	30.80	23.91	1481.
75	8.61	30.93	24.02	1481.
100	8.56	31.02	24.10	1482.

STATION J 5 CRUISE 78-15 CONS #258
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 11:31:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.87	30.78	23.87	1481.
10	8.76	30.77	23.87	1481.
20	8.70	30.77	23.88	1480.
30	8.67	30.81	23.92	1481.
50	8.66	30.83	23.93	1481.
75	8.60	30.93	24.02	1481.
100	8.51	31.12	24.18	1481.
125	8.45	31.23	24.28	1482.

STATION J 5 CRUISE 78-15 CONS #259
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 12: 1: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.81	30.78	23.88	1481.
10	8.71	30.79	23.90	1480.
20	8.68	30.81	23.91	1480.
30	8.66	30.84	23.94	1481.
50	8.57	30.98	24.06	1481.
75	8.47	31.16	24.22	1481.
100	8.42	31.27	24.32	1481.
125	8.39	31.33	24.37	1482.

STATION J 5 CRUISE 78-15 CONS #260
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 12:30:58 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.77	30.81	23.90	1480.
10	8.68	30.85	23.95	1480.
20	8.64	30.88	23.98	1480.
30	8.60	30.94	24.03	1480.
50	8.61	30.94	24.03	1481.
75	8.49	31.15	24.21	1481.
100	8.42	31.28	24.32	1481.

STATION J 5 CRUISE 78-15 CONS #261
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 13: 1:58 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.76	30.03	23.30	1479.
10	8.69	30.84	23.94	1480.
20	8.63	30.89	23.98	1480.
30	8.62	30.91	24.01	1480.
50	8.60	30.94	24.03	1481.
75	8.52	31.09	24.16	1481.
100	8.43	31.25	24.30	1481.

STATION J 5 CRUISE 78-15 CONS #262
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 13:29:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.86	30.66	23.78	1481.
10	8.74	30.79	23.90	1480.
20	8.60	30.95	24.04	1480.
30	8.54	31.03	24.11	1480.
50	8.53	31.06	24.14	1481.
75	8.46	31.18	24.24	1481.
100	8.38	31.32	24.36	1481.
125	8.38	31.33	24.37	1482.

STATION J 5 CRUISE 78-15 CONS #263
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 14: 1:13 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.36	29.35	22.68	1481.
10	8.75	30.77	23.87	1480.
20	8.70	30.83	23.93	1481.
30	8.65	30.87	23.97	1481.
50	8.53	31.05	24.13	1481.
75	8.47	31.15	24.21	1481.
100	8.38	31.32	24.35	1481.
125	8.37	31.35	24.38	1482.

STATION J 5 CRUISE 78-15 CONS #264
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 14:30:14 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.87	30.70	23.80	1481.
10	8.76	30.81	23.90	1481.
20	8.76	30.79	23.89	1481.
30	8.76	30.81	23.91	1481.
50	8.68	30.88	23.97	1481.
75	8.70	30.88	23.97	1481.
100	8.52	31.10	24.16	1481.
125	8.37	31.36	24.39	1482.

STATION J 5 CRUISE 78-15 CONS #265
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 15: 1: 0 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.87	30.26	23.46	1480.
10	8.74	30.81	23.90	1480.
20	8.67	30.88	23.97	1480.
30	8.64	30.94	24.02	1481.
50	8.62	30.95	24.04	1481.
75	8.59	31.01	24.08	1481.
100	8.44	31.23	24.28	1481.
125	8.38	31.33	24.37	1482.

STATION J 5 CRUISE 78-15 CONS #266
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 15:28:47 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.90	26.18	20.13	1479.
10	8.78	30.77	23.87	1481.
20	8.74	30.80	23.90	1481.
30	8.72	30.83	23.93	1481.
50	8.69	30.89	23.98	1481.
75	8.60	30.98	24.06	1481.
100	8.58	31.02	24.10	1482.
125	8.49	31.17	24.23	1482.

STATION J 5 CRUISE 78-15 CONS #267
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 16: 4: 1 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.88	30.56	23.69	1481.
10	8.86	30.57	23.70	1481.
20	8.84	30.61	23.74	1481.
30	8.78	30.74	23.84	1481.
50	8.63	30.95	24.03	1481.
75	8.60	31.00	24.08	1481.
100	8.53	31.09	24.15	1482.

STATION J 5 CRUISE 78-15 CONS #268
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 16:31:13 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.88	30.57	23.70	1481.
10	8.91	30.53	23.66	1481.
20	8.81	30.66	23.78	1481.
30	8.80	30.68	23.80	1481.
50	8.75	30.76	23.86	1481.
75	8.74	30.79	23.89	1482.
100	8.70	30.88	23.97	1482.
125	8.61	30.99	24.07	1482.

STATION J 5 CRUISE 78-15 CONS #269
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 17: 0:55 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.88	30.58	23.71	1481.
10	8.86	30.56	23.70	1481.
20	8.86	30.59	23.72	1481.
30	8.84	30.62	23.75	1481.
50	8.74	30.78	23.88	1481.
75	8.64	30.92	24.01	1481.
100	8.60	31.00	24.07	1482.
125	8.60	31.00	24.07	1482.

STATION J 5 CRUISE 78-15 CONS #270
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 17:28:26 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.87	30.65	23.77	1481.
10	8.86	30.56	23.69	1481.
20	8.84	30.60	23.73	1481.
30	8.80	30.69	23.81	1481.
50	8.77	30.73	23.84	1481.
75	8.74	30.79	23.89	1482.
100	8.74	30.82	23.91	1482.
125	8.73	30.82	23.92	1482.

STATION J 5 CRUISE 78-15 CONS #271
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 17:59:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.92	30.48	23.62	1481.
10	8.85	30.56	23.70	1481.
20	8.85	30.55	23.69	1481.
30	8.85	30.55	23.69	1481.
50	8.86	30.56	23.70	1481.
75	8.84	30.60	23.73	1482.
100	8.82	30.65	23.77	1482.
125	8.65	30.92	24.00	1482.

STATION J 5 CRUISE 78-15 CONS #272
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 18:31:53 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.89	30.49	23.64	1481.
10	8.87	30.54	23.67	1481.
20	8.87	30.53	23.67	1481.
30	8.86	30.57	23.70	1481.
50	8.86	30.56	23.70	1481.
75	8.71	30.83	23.93	1481.
100	8.71	30.84	23.94	1482.
125	8.69	30.87	23.96	1482.

STATION J 5 CRUISE 78-15 CONS #273
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 18:57:50 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.88	30.56	23.69	1481.
10	8.86	30.56	23.70	1481.
20	8.82	30.63	23.76	1481.
30	8.81	30.63	23.76	1481.
50	8.81	30.64	23.77	1481.
75	8.75	30.76	23.87	1482.
100	8.71	30.83	23.93	1482.
125	8.68	30.87	23.97	1482.

STATION J 5 CRUISE 78-15 CONS #274
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 19:28:40 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.88	30.51	23.65	1480.
10	8.85	30.56	23.69	1481.
20	8.81	30.63	23.75	1481.
30	8.76	30.72	23.83	1481.
50	8.76	30.74	23.85	1481.
75	8.72	30.80	23.90	1481.
100	8.69	30.87	23.96	1482.
125	8.69	30.87	23.96	1482.

STATION J 5 CRUISE 78-15 CONS #275
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 19:58:22 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.82	30.61	23.74	1480.
10	8.79	30.66	23.78	1480.
20	8.73	30.78	23.89	1481.
30	8.73	30.76	23.87	1481.
50	8.70	30.84	23.94	1481.
75	8.67	30.90	23.98	1481.
100	8.67	30.89	23.98	1482.

STATION J 5 CRUISE 78-15 CONS #276
 POSITION 50-24.5N 125-56.8W
 DATE 78/ 5/31 TIME 20:27:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	8.82	30.68	23.79	1480.
10	8.76	30.74	23.85	1480.
20	8.68	30.86	23.96	1480.
30	8.68	30.88	23.97	1481.
50	8.68	30.87	23.96	1481.
75	8.69	30.88	23.97	1481.
100	8.68	30.88	23.97	1482.
125	8.62	30.98	24.06	1482.

STATION jn CRUISE 79-14 CONS #142
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 8:49: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.50	31.24	24.13	1484.
10	9.32	31.26	24.17	1483.
20	9.28	31.31	24.22	1483.
30	9.20	31.39	24.29	1483.
50	9.11	31.48	24.38	1483.
75	9.05	31.54	24.43	1484.
100	9.00	31.58	24.47	1484.
125	8.81	31.76	24.64	1484.
150	8.80	31.78	24.65	1484.
175	8.77	31.81	24.68	1485.
200	8.75	31.82	24.69	1485.
225	8.73	31.85	24.72	1485.
250	8.70	31.88	24.75	1486.
275	8.69	31.90	24.76	1486.
300	8.69	31.91	24.77	1486.

STATION jn CRUISE 79-14 CONS #144
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 10: 1:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.58	31.27	24.14	1484.
10	9.41	31.30	24.19	1484.
20	9.25	31.36	24.26	1483.
30	9.19	31.39	24.29	1483.
50	9.05	31.53	24.42	1483.
75	8.99	31.58	24.47	1483.
100	8.82	31.76	24.64	1483.
125	8.81	31.77	24.65	1484.
150	8.77	31.81	24.69	1484.
175	8.76	31.82	24.70	1485.
200	8.75	31.83	24.70	1485.
225	8.73	31.85	24.72	1485.
250	8.73	31.85	24.72	1486.
275	8.73	31.85	24.72	1486.

STATION jn CRUISE 79-14 CONS #146
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 11: 6:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.60	31.22	24.10	1484.
10	9.47	31.26	24.15	1484.
20	9.45	31.29	24.17	1484.
30	9.32	31.37	24.26	1484.
50	9.13	31.46	24.35	1483.
75	9.06	31.52	24.42	1484.
100	8.96	31.62	24.50	1484.
125	8.86	31.70	24.58	1484.
150	8.83	31.74	24.62	1484.
175	8.80	31.78	24.66	1485.
200	8.77	31.81	24.68	1485.
225	8.75	31.83	24.70	1485.
250	8.75	31.83	24.71	1486.
275	8.70	31.88	24.75	1486.
300	8.69	31.89	24.76	1486.

STATION jn CRUISE 79-14 CONS #148
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 11:52:18 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.79	31.01	23.90	1485.
10	9.50	31.19	24.08	1484.
20	9.35	31.25	24.16	1484.
30	9.30	31.30	24.20	1484.
50	9.31	31.34	24.23	1484.
75	9.25	31.38	24.28	1484.
100	9.07	31.51	24.41	1484.
125	8.94	31.64	24.52	1484.
150	8.80	31.78	24.66	1484.
175	8.75	31.82	24.70	1484.
200	8.74	31.84	24.71	1485.
225	8.74	31.85	24.72	1485.
250	8.72	31.87	24.74	1486.
275	8.71	31.87	24.74	1486.
300	8.71	31.87	24.74	1486.

STATION jn CRUISE 79-14 CONS #150
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 12:39:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.68	31.01	23.92	1484.
10	9.40	31.17	24.09	1483.
20	9.35	31.21	24.13	1483.
30	9.33	31.24	24.15	1484.
50	9.27	31.31	24.22	1484.
75	9.20	31.39	24.29	1484.
100	9.00	31.57	24.46	1484.
125	8.84	31.73	24.61	1484.
150	8.81	31.77	24.64	1484.
175	8.79	31.79	24.66	1485.
200	8.79	31.79	24.67	1485.
225	8.78	31.81	24.69	1485.
250	8.75	31.83	24.71	1486.
275	8.74	31.86	24.72	1486.
300	8.73	31.87	24.73	1487.

STATION jn CRUISE 79-14 CONS #152
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 13:25: 9 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.78	31.09	23.96	1485.
10	9.85	31.04	23.91	1485.
20	9.97	30.95	23.82	1485.
30	9.44	31.21	24.12	1484.
50	9.26	31.33	24.23	1484.
75	9.10	31.48	24.37	1484.
100	9.01	31.56	24.46	1484.
125	8.92	31.65	24.53	1484.
150	8.79	31.78	24.66	1484.
175	8.79	31.80	24.67	1485.
200	8.78	31.80	24.67	1485.
225	8.76	31.80	24.68	1485.
250	8.75	31.84	24.71	1486.
275	8.73	31.86	24.73	1486.
300	8.72	31.87	24.74	1486.

STATION jn CRUISE 79-14 CONS #154
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 14:31:41 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.70	31.11	23.99	1484.
10	9.46	31.17	24.08	1484.
20	9.41	31.19	24.10	1484.
30	9.36	31.22	24.13	1484.
50	9.33	31.25	24.16	1484.
75	9.34	31.26	24.16	1484.
100	9.27	31.33	24.23	1485.
125	9.13	31.45	24.35	1485.
150	9.03	31.54	24.43	1485.
175	8.90	31.67	24.56	1485.
200	8.81	31.77	24.65	1485.
225	8.74	31.84	24.71	1485.
250	8.74	31.85	24.72	1486.
275	8.71	31.87	24.74	1486.
300	8.72	31.88	24.74	1486.

STATION jn CRUISE 79-14 CONS #156
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 15:27:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.86	31.07	23.94	1485.
10	9.64	31.12	24.01	1484.
20	9.49	31.17	24.07	1484.
30	9.45	31.19	24.09	1484.
50	9.34	31.28	24.18	1484.
75	9.25	31.35	24.25	1484.
100	9.15	31.43	24.33	1484.
125	8.99	31.58	24.47	1484.
150	8.85	31.72	24.60	1484.
175	8.80	31.78	24.66	1485.
200	8.80	31.79	24.66	1485.
225	8.80	31.80	24.67	1485.
250	8.77	31.83	24.70	1486.
275	8.75	31.85	24.72	1486.
300	8.70	31.88	24.75	1486.

STATION jn CRUISE 79-14 CONS #158
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 16:14:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.69	31.14	24.02	1484.
10	9.63	31.13	24.02	1484.
20	9.45	31.18	24.09	1484.
30	9.44	31.19	24.10	1484.
50	9.37	31.22	24.13	1484.
75	9.31	31.29	24.19	1484.
100	9.31	31.31	24.21	1485.
125	9.18	31.43	24.32	1485.
150	8.94	31.63	24.52	1485.
175	8.81	31.78	24.65	1485.
200	8.76	31.82	24.70	1485.
225	8.71	31.87	24.74	1485.
250	8.69	31.90	24.77	1486.
275	8.69	31.89	24.76	1486.
300	8.70	31.90	24.76	1486.

STATION jn CRUISE 79-14 CONS #160
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 17: 9:10 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.79	31.09	23.97	1485.
10	9.68	31.12	24.00	1484.
20	9.53	31.16	24.06	1484.
30	9.45	31.18	24.09	1484.
50	9.40	31.22	24.13	1484.
75	9.38	31.29	24.18	1485.
100	9.26	31.35	24.25	1485.
125	9.24	31.39	24.28	1485.
150	8.99	31.58	24.47	1485.
175	8.95	31.63	24.52	1485.
200	8.80	31.78	24.65	1485.
225	8.78	31.81	24.68	1485.
250	8.74	31.84	24.71	1486.
275	8.73	31.87	24.73	1486.
300	8.71	31.88	24.75	1486.

STATION jn CRUISE 79-14 CONS #162
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 18: 2:51 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.75	31.10	23.98	1484.
10	9.66	31.13	24.01	1484.
20	9.48	31.17	24.07	1484.
30	9.41	31.21	24.12	1484.
50	9.41	31.22	24.13	1484.
75	9.37	31.30	24.19	1485.
100	9.30	31.34	24.24	1485.
125	9.14	31.47	24.36	1485.
150	9.00	31.58	24.47	1485.
175	8.91	31.67	24.55	1485.
200	8.83	31.76	24.64	1485.
225	8.80	31.80	24.67	1485.
250	8.78	31.84	24.70	1486.
275	8.77	31.86	24.72	1486.
300	8.71	31.90	24.77	1486.

STATION jn CRUISE 79-14 CONS #164
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 18:51:35 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.72	31.15	24.02	1484.
10	9.62	31.20	24.07	1484.
20	9.42	31.20	24.11	1484.
30	9.36	31.28	24.18	1484.
50	9.37	31.28	24.18	1484.
75	9.35	31.30	24.20	1484.
100	9.13	31.48	24.37	1484.
125	9.03	31.55	24.44	1484.
150	8.88	31.70	24.58	1484.
175	8.82	31.76	24.63	1485.
200	8.79	31.82	24.69	1485.
225	8.77	31.84	24.71	1485.
250	8.76	31.86	24.72	1486.
275	8.72	31.90	24.76	1486.
300	8.72	31.91	24.77	1487.

STATION jn CRUISE 79-14 CONS #166
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 19:54: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.66	31.09	23.99	1484.
10	9.53	31.17	24.06	1484.
20	9.41	31.22	24.13	1484.
30	9.38	31.23	24.14	1484.
50	9.29	31.31	24.21	1484.
75	9.17	31.46	24.35	1484.
100	9.00	31.59	24.47	1484.
125	8.82	31.76	24.64	1484.
150	8.81	31.79	24.66	1484.
175	8.79	31.80	24.67	1485.
200	8.78	31.80	24.68	1485.
225	8.80	31.79	24.66	1485.
250	8.75	31.85	24.72	1486.
275	8.71	31.90	24.77	1486.
300	8.71	31.91	24.77	1486.

STATION jn CRUISE 79-14 CONS #168
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 20:54:44 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.62	31.13	24.02	1484.
10	9.49	31.20	24.10	1484.
20	9.44	31.22	24.12	1484.
30	9.39	31.24	24.14	1484.
50	9.25	31.34	24.25	1484.
75	9.19	31.40	24.30	1484.
100	9.11	31.49	24.38	1484.
125	8.91	31.67	24.55	1484.
150	8.82	31.76	24.63	1484.
175	8.81	31.77	24.65	1485.
200	8.80	31.78	24.66	1485.
225	8.78	31.81	24.69	1485.
250	8.74	31.85	24.72	1486.
275	8.73	31.86	24.73	1486.
300	8.73	31.87	24.74	1487.

STATION jn CRUISE 79-14 CONS #170
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 21:54:13 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.50	31.04	23.97	1483.
10	9.49	31.12	24.03	1484.
20	9.36	31.21	24.12	1483.
30	9.20	31.36	24.27	1483.
50	8.94	31.63	24.52	1483.
75	8.83	31.74	24.62	1483.
100	8.81	31.79	24.66	1483.
125	8.80	31.81	24.68	1484.
150	8.80	31.81	24.68	1484.
175	8.76	31.85	24.72	1485.
200	8.74	31.86	24.73	1485.
225	8.71	31.89	24.75	1485.
250	8.71	31.89	24.76	1486.
275	8.72	31.90	24.76	1486.
300	8.72	31.89	24.76	1487.

STATION jn CRUISE 79-14 CONS #172
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 22:55:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.50	31.27	24.15	1484.
10	9.41	31.27	24.16	1484.
20	9.35	31.29	24.19	1484.
30	9.22	31.38	24.28	1483.
50	9.05	31.53	24.42	1483.
75	8.93	31.65	24.53	1483.
100	8.90	31.70	24.58	1484.
125	8.88	31.71	24.59	1484.
150	8.79	31.81	24.68	1484.
175	8.79	31.82	24.69	1485.
200	8.79	31.82	24.69	1485.
225	8.76	31.83	24.70	1485.
250	8.73	31.87	24.74	1486.
275	8.72	31.89	24.75	1486.
300	8.71	31.89	24.76	1486.

STATION Jn CRUISE 79-14 CONS #174
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/12 TIME 23:59:53 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.60	31.13	24.02	1484.
10	9.37	31.25	24.16	1483.
20	9.32	31.29	24.19	1483.
30	9.27	31.31	24.22	1483.
50	9.17	31.42	24.32	1484.
75	8.97	31.61	24.50	1483.
100	8.96	31.61	24.50	1484.
125	8.88	31.70	24.58	1484.
150	8.86	31.72	24.60	1484.
175	8.81	31.77	24.65	1485.
200	8.76	31.82	24.69	1485.
225	8.76	31.83	24.70	1485.
250	8.73	31.85	24.72	1486.
275	8.72	31.88	24.74	1486.
300	8.72	31.88	24.75	1486.

STATION Jn CRUISE 79-14 CONS #176
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/13 TIME 0:51: 5 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.63	31.09	23.99	1484.
10	9.37	31.27	24.17	1483.
20	9.28	31.32	24.22	1483.
30	9.22	31.38	24.28	1483.
50	9.13	31.46	24.35	1483.
75	8.98	31.60	24.49	1483.
100	8.94	31.63	24.51	1484.
125	8.91	31.67	24.55	1484.
150	8.90	31.68	24.56	1484.
175	8.84	31.74	24.62	1485.
200	8.82	31.75	24.63	1485.
225	8.77	31.81	24.69	1485.
250	8.76	31.82	24.69	1486.
275	8.75	31.84	24.71	1486.

STATION jn CRUISE 79-14 CONS #178
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/13 TIME 1:53:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.56	31.18	24.07	1484.
10	9.49	31.21	24.11	1484.
20	9.46	31.23	24.12	1484.
30	9.45	31.23	24.12	1484.
50	9.43	31.25	24.14	1484.
75	9.39	31.26	24.16	1485.
100	9.19	31.41	24.30	1484.
125	9.16	31.43	24.33	1485.
150	8.92	31.65	24.54	1485.
175	8.87	31.71	24.59	1485.
200	8.78	31.80	24.67	1485.
225	8.77	31.81	24.69	1485.
250	8.75	31.84	24.71	1486.
275	8.73	31.85	24.72	1486.
300	8.73	31.86	24.73	1487.

STATION jn CRUISE 79-14 CONS #180
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/13 TIME 2:58:26 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.41	31.21	24.12	1483.
10	9.32	31.28	24.18	1483.
20	9.31	31.28	24.18	1483.
30	9.31	31.28	24.19	1484.
50	9.30	31.29	24.20	1484.
75	9.27	31.35	24.25	1484.
100	9.25	31.37	24.27	1485.
125	9.22	31.40	24.30	1485.
150	9.11	31.47	24.37	1485.
175	8.90	31.67	24.56	1485.
200	8.85	31.73	24.61	1485.
225	8.77	31.81	24.69	1485.
250	8.77	31.83	24.70	1486.
275	8.75	31.85	24.72	1486.
300	8.73	31.86	24.73	1486.

STATION Jn CRUISE 79-14 CONS #182
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/13 TIME 3:51:17 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.33	31.27	24.17	1483.
10	9.32	31.28	24.18	1483.
20	9.33	31.27	24.17	1483.
30	9.33	31.27	24.18	1484.
50	9.29	31.30	24.20	1484.
75	9.25	31.36	24.26	1484.
100	9.23	31.39	24.29	1485.
125	8.99	31.59	24.47	1484.
150	8.92	31.66	24.54	1485.
175	8.81	31.77	24.64	1485.
200	8.78	31.82	24.69	1485.
225	8.77	31.83	24.70	1485.
250	8.76	31.84	24.71	1486.
275	8.76	31.86	24.72	1486.
300	8.73	31.87	24.74	1487.

STATION Jn CRUISE 79-14 CONS #184
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/13 TIME 4:44:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.29	31.13	24.07	1483.
10	9.29	31.20	24.12	1483.
20	9.29	31.24	24.16	1483.
30	9.28	31.26	24.18	1483.
50	9.28	31.28	24.19	1484.
75	9.28	31.29	24.20	1484.
100	9.22	31.38	24.28	1484.
125	9.07	31.53	24.42	1485.
150	8.86	31.72	24.60	1484.
175	8.79	31.80	24.67	1485.
200	8.78	31.81	24.68	1485.
225	8.75	31.86	24.73	1485.
250	8.76	31.86	24.73	1486.
275	8.75	31.87	24.74	1486.

STATION Jn CRUISE 79-14 CONS #186
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/13 TIME 5:46:31 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.30	31.26	24.18	1483.
10	9.29	31.28	24.19	1483.
20	9.27	31.30	24.21	1483.
30	9.27	31.31	24.22	1483.
50	9.28	31.30	24.21	1484.
75	9.27	31.31	24.22	1484.
100	9.18	31.45	24.34	1484.
125	9.04	31.55	24.44	1484.
150	8.90	31.68	24.56	1484.
175	8.85	31.74	24.62	1485.
200	8.78	31.81	24.68	1485.
225	8.77	31.83	24.70	1485.
250	8.75	31.87	24.74	1486.
275	8.74	31.88	24.75	1486.

STATION Jn CRUISE 79-14 CONS #188
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/13 TIME 6:47:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.35	31.22	24.13	1483.
10	9.33	31.24	24.16	1483.
20	9.32	31.25	24.16	1483.
30	9.28	31.29	24.20	1483.
50	9.29	31.28	24.19	1484.
75	9.28	31.30	24.21	1484.
100	9.22	31.39	24.29	1485.
125	9.02	31.57	24.45	1484.
150	8.86	31.73	24.61	1484.
175	8.85	31.74	24.61	1485.
200	8.80	31.80	24.67	1485.
225	8.77	31.83	24.70	1485.
250	8.77	31.83	24.70	1486.
275	8.73	31.89	24.75	1486.
300	8.72	31.90	24.76	1487.

STATION jn CRUISE 79-14 CONS #190
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/13 TIME 7:55:16 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.38	31.24	24.14	1483.
10	9.35	31.26	24.16	1483.
20	9.34	31.28	24.19	1484.
30	9.32	31.31	24.21	1484.
50	9.31	31.32	24.22	1484.
75	9.25	31.34	24.25	1484.
100	9.18	31.43	24.32	1484.
125	9.14	31.46	24.35	1485.
150	8.93	31.66	24.54	1485.
175	8.85	31.75	24.62	1485.
200	8.82	31.79	24.66	1485.

STATION jn CRUISE 79-14 CONS #192
 POSITION 50-28.7N 126- 8.1W
 DATE 79/ 8/13 TIME 8:56:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.47	31.16	24.07	1484.
10	9.34	31.26	24.17	1483.
20	9.34	31.26	24.17	1483.
30	9.33	31.27	24.18	1484.
50	9.22	31.38	24.28	1484.
75	9.13	31.46	24.36	1484.
100	9.09	31.51	24.40	1484.
125	9.09	31.51	24.40	1485.
150	8.85	31.74	24.62	1484.
175	8.75	31.85	24.72	1485.
200	8.80	31.81	24.68	1485.
225	8.79	31.81	24.68	1485.
250	8.73	31.87	24.74	1486.
275	8.72	31.89	24.76	1486.
300	8.72	31.90	24.76	1487.

STATION jn CRUISE 79-14 CONS #194
POSITION 50-28.7N 126- 8.1W
DATE 79/ 8/13 TIME 10: 7:52 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.46	31.19	24.09	1484.
10	9.37	31.24	24.14	1483.
20	9.24	31.36	24.26	1483.
30	9.21	31.39	24.29	1483.
50	9.15	31.45	24.35	1483.
75	9.07	31.52	24.41	1484.
100	8.97	31.62	24.51	1484.
125	8.85	31.75	24.62	1484.
150	8.83	31.79	24.66	1484.
175	8.81	31.80	24.67	1485.
200	8.75	31.85	24.72	1485.
225	8.74	31.86	24.73	1485.
250	8.74	31.88	24.74	1486.
275	8.73	31.88	24.74	1486.
300	8.72	31.90	24.76	1487.

STATION js CRUISE 79-14 CONS #143
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 9:25:38 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.49	31.10	24.02	1484.
10	9.42	31.17	24.08	1483.
20	9.31	31.24	24.16	1483.
30	9.29	31.27	24.18	1483.
50	9.25	31.33	24.23	1484.
75	9.08	31.50	24.39	1484.
100	8.92	31.65	24.54	1484.
125	8.84	31.73	24.61	1484.
150	8.83	31.74	24.62	1484.
175	8.77	31.82	24.70	1485.
200	8.76	31.83	24.70	1485.
225	8.75	31.84	24.71	1485.
250	8.74	31.86	24.72	1486.
275	8.74	31.86	24.72	1486.
300	8.74	31.87	24.74	1487.

STATION js CRUISE 79-14 CONS #145
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 10:32:54 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.50	31.20	24.09	1484.
10	9.37	31.22	24.13	1483.
20	9.36	31.23	24.14	1484.
30	9.30	31.28	24.19	1484.
50	9.25	31.33	24.23	1484.
75	9.19	31.43	24.32	1484.
100	9.05	31.54	24.43	1484.
125	8.92	31.67	24.55	1484.
150	8.82	31.76	24.64	1484.
175	8.79	31.79	24.66	1485.
200	8.76	31.83	24.70	1485.
225	8.72	31.87	24.74	1485.
250	8.72	31.88	24.74	1486.
275	8.72	31.88	24.75	1486.
300	8.72	31.88	24.75	1486.

STATION js CRUISE 79-14 CONS #147
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 11:28:57 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.71	31.11	23.99	1484.
10	9.51	31.19	24.09	1484.
20	9.39	31.26	24.16	1484.
30	9.26	31.34	24.24	1483.
50	9.22	31.36	24.26	1484.
75	9.12	31.47	24.36	1484.
100	9.04	31.56	24.44	1484.
125	8.91	31.67	24.55	1484.
150	8.84	31.74	24.61	1484.
175	8.81	31.78	24.65	1485.
200	8.79	31.80	24.67	1485.
225	8.76	31.83	24.70	1485.
250	8.75	31.84	24.71	1486.
275	8.72	31.87	24.74	1486.
300	8.70	31.89	24.76	1486.

STATION js CRUISE 79-14 CONS #149
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 12:14: 6 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.81	31.13	23.99	1485.
10	9.49	31.23	24.12	1484.
20	9.31	31.30	24.21	1483.
30	9.26	31.36	24.25	1483.
50	9.14	31.47	24.36	1483.
75	9.07	31.53	24.42	1484.
100	8.87	31.71	24.59	1484.
125	8.83	31.75	24.63	1484.
150	8.81	31.78	24.65	1484.
175	8.76	31.83	24.70	1485.
200	8.75	31.85	24.71	1485.
225	8.74	31.85	24.72	1485.
250	8.72	31.86	24.73	1486.
275	8.70	31.89	24.75	1486.
300	8.70	31.89	24.76	1486.

STATION js CRUISE 79-14 CONS #151
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 13: 0:46 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	10.06	30.54	23.49	1485.
10	9.43	31.02	23.97	1483.
20	9.41	31.11	24.04	1484.
30	9.29	31.23	24.15	1483.
50	9.20	31.35	24.26	1484.
75	9.14	31.41	24.32	1484.
100	9.08	31.48	24.37	1484.
125	9.03	31.55	24.44	1484.
150	8.88	31.68	24.57	1484.
175	8.80	31.77	24.65	1485.
200	8.73	31.86	24.73	1485.
225	8.71	31.87	24.74	1485.
250	8.72	31.88	24.74	1486.
275	8.71	31.87	24.74	1486.
300	8.71	31.87	24.74	1486.
325	-.00	\$\$\$\$\$	\$\$\$\$\$	\$\$\$\$\$

STATION js CRUISE 79-14 CONS #153
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 14: 3:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.80	31.08	23.96	1485.
10	9.60	31.12	24.01	1484.
20	9.38	31.24	24.14	1484.
30	9.32	31.28	24.18	1484.
50	9.26	31.33	24.23	1484.
75	9.18	31.40	24.30	1484.
100	9.00	31.58	24.46	1484.
125	8.84	31.74	24.62	1484.
150	8.80	31.78	24.66	1484.
175	8.78	31.81	24.68	1485.
200	8.77	31.82	24.69	1485.
225	8.78	31.81	24.68	1485.
250	8.77	31.83	24.70	1486.
275	8.77	31.82	24.69	1486.
300	8.74	31.86	24.72	1487.

STATION js CRUISE 79-14 CONS #155
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 14:55:25 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.73	31.26	24.10	1485.
10	9.53	31.18	24.07	1484.
20	9.37	31.25	24.15	1484.
30	9.32	31.30	24.20	1484.
50	9.26	31.39	24.29	1484.
75	9.23	31.34	24.25	1484.
100	9.20	31.38	24.28	1484.
125	9.13	31.43	24.33	1485.
150	8.95	31.65	24.53	1485.
175	8.77	31.77	24.65	1485.
200	8.76	31.83	24.70	1485.
225	8.75	31.92	24.77	1485.
250	8.73	31.92	24.78	1486.
275	8.74	31.86	24.73	1486.
300	8.72	31.87	24.74	1486.

STATION js CRUISE 79-14 CONS #157
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 15:50:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.50	31.29	24.17	1484.
10	9.49	31.28	24.16	1484.
20	9.43	31.28	24.16	1484.
30	9.41	31.28	24.17	1484.
50	9.40	31.29	24.18	1484.
75	9.30	31.30	24.20	1484.
100	9.18	31.42	24.31	1484.
125	9.07	31.52	24.41	1485.
150	8.90	31.69	24.57	1484.
175	8.82	31.77	24.64	1485.
200	8.77	31.82	24.69	1485.
225	8.76	31.83	24.70	1485.
250	8.75	31.84	24.71	1486.
275	8.74	31.86	24.73	1486.
300	8.73	31.88	24.74	1487.

STATION js CRUISE 79-14 CONS #159
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 16:41:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.85	31.11	23.97	1485.
10	9.73	31.15	24.02	1485.
20	9.39	31.24	24.14	1484.
30	9.34	31.27	24.17	1484.
50	9.33	31.28	24.18	1484.
75	9.28	31.33	24.23	1484.
100	9.25	31.36	24.26	1485.
125	9.04	31.55	24.44	1484.
150	8.88	31.70	24.58	1484.
175	8.80	31.79	24.67	1485.
200	8.77	31.83	24.70	1485.
225	8.77	31.82	24.69	1485.
250	8.75	31.86	24.72	1486.
275	8.75	31.86	24.72	1486.
300	8.73	31.88	24.74	1487.

STATION js CRUISE 79-14 CONS #161
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 17:34:37 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.95	31.13	23.97	1485.
10	9.44	31.21	24.11	1484.
20	9.37	31.25	24.16	1484.
30	9.39	31.27	24.16	1484.
50	9.37	31.27	24.17	1484.
75	9.35	31.29	24.19	1484.
100	9.13	31.47	24.36	1484.
125	9.08	31.50	24.40	1485.
150	8.86	31.72	24.60	1484.
175	8.81	31.78	24.66	1485.
200	8.78	31.82	24.69	1485.
225	8.78	31.83	24.69	1485.
250	8.75	31.86	24.73	1486.
275	8.72	31.90	24.76	1486.
300	8.73	31.90	24.76	1487.

STATION js CRUISE 79-14 CONS #163
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 18:27:55 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.90	31.08	23.94	1485.
10	9.86	31.11	23.96	1485.
20	9.48	31.21	24.11	1484.
30	9.51	31.26	24.14	1484.
50	9.34	31.27	24.18	1484.
75	9.27	31.35	24.25	1484.
100	9.17	31.41	24.31	1484.
125	9.03	31.58	24.46	1484.
150	8.86	31.73	24.61	1484.
175	8.80	31.80	24.67	1485.
200	8.78	31.83	24.70	1485.
225	8.77	31.84	24.71	1485.
250	8.75	31.88	24.74	1486.
275	8.73	31.90	24.76	1486.
300	8.73	31.90	24.76	1487.

STATION js CRUISE 79-14 CONS #165
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 19:26:43 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.77	31.13	24.00	1485.
10	9.43	31.24	24.14	1484.
20	9.31	31.29	24.19	1483.
30	9.27	31.34	24.24	1483.
50	9.23	31.37	24.27	1484.
75	9.17	31.43	24.32	1484.
100	8.97	31.63	24.51	1484.
125	8.87	31.72	24.60	1484.
150	8.81	31.80	24.67	1484.
175	8.79	31.81	24.68	1485.
200	8.78	31.85	24.71	1485.
225	8.78	31.85	24.71	1485.
250	8.74	31.89	24.75	1486.
275	8.73	31.90	24.76	1486.
300	8.73	31.90	24.76	1487.

STATION js CRUISE 79-14 CONS #167
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 20:23:21 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.74	31.19	24.05	1485.
10	9.52	31.25	24.13	1484.
20	9.35	31.30	24.19	1484.
30	9.32	31.33	24.22	1484.
50	9.15	31.44	24.34	1483.
75	9.09	31.51	24.40	1484.
100	8.95	31.66	24.54	1484.
125	8.91	31.68	24.56	1484.
150	8.82	31.79	24.66	1484.
175	8.79	31.82	24.69	1485.
200	8.77	31.85	24.71	1485.
225	8.78	31.84	24.71	1485.
250	8.78	31.85	24.71	1486.
275	8.77	31.87	24.73	1486.
300	8.76	31.88	24.74	1487.

STATION js CRUISE 79-14 CONS #169
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 21:24:47 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.53	31.22	24.11	1484.
10	9.51	31.23	24.12	1484.
20	9.46	31.27	24.16	1484.
30	9.38	31.33	24.21	1484.
50	9.18	31.43	24.32	1484.
75	9.08	31.53	24.42	1484.
100	8.91	31.68	24.56	1484.
125	8.79	31.81	24.68	1484.
150	8.77	31.83	24.70	1484.
175	8.77	31.83	24.70	1485.
200	8.76	31.84	24.71	1485.
225	8.76	31.86	24.72	1485.
250	8.76	31.86	24.72	1486.

STATION js CRUISE 79-14 CONS #171
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 22:23:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.59	31.19	24.07	1484.
10	9.60	31.19	24.07	1484.
20	9.59	31.19	24.07	1484.
30	9.48	31.22	24.11	1484.
50	9.42	31.29	24.18	1484.
75	9.17	31.46	24.35	1484.
100	8.97	31.62	24.51	1484.
125	8.91	31.69	24.57	1484.
150	8.84	31.75	24.63	1484.
175	8.78	31.84	24.70	1485.
200	8.76	31.86	24.72	1485.
225	8.76	31.87	24.73	1485.
250	8.75	31.87	24.74	1486.
275	8.75	31.87	24.74	1486.
300	8.74	31.88	24.74	1487.

STATION js CRUISE 79-14 CONS #173
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/12 TIME 23:25:33 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	10.02	31.15	23.97	1486.
10	9.80	31.19	24.04	1485.
20	9.64	31.20	24.07	1485.
30	9.55	31.20	24.09	1484.
50	9.44	31.24	24.13	1484.
75	9.27	31.37	24.27	1484.
100	8.95	31.64	24.52	1484.
125	8.84	31.74	24.62	1484.
150	8.78	31.82	24.69	1484.
175	8.77	31.83	24.70	1485.
200	8.76	31.84	24.71	1485.
225	8.76	31.84	24.71	1485.
250	8.75	31.85	24.72	1486.
275	8.74	31.86	24.73	1486.
300	8.75	31.86	24.73	1487.

STATION js CRUISE 79-14 CONS #175
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 0:23:59 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.50	31.20	24.10	1484.
10	9.47	31.23	24.12	1484.
20	9.41	31.29	24.18	1484.
30	9.36	31.32	24.21	1484.
50	9.11	31.48	24.37	1483.
75	8.83	31.76	24.63	1483.
100	8.82	31.77	24.64	1483.
125	8.81	31.78	24.65	1484.
150	8.77	31.81	24.68	1484.
175	8.78	31.80	24.67	1485.
200	8.75	31.84	24.71	1485.
225	8.75	31.85	24.72	1485.
250	8.75	31.85	24.72	1486.
275	8.72	31.87	24.73	1486.
300	8.71	31.88	24.74	1486.

STATION js CRUISE 79-14 CONS #177
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 1:20:23 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.56	31.15	24.05	1484.
10	9.54	31.16	24.06	1484.
20	9.51	31.19	24.09	1484.
30	9.43	31.25	24.14	1484.
50	9.43	31.26	24.15	1484.
75	9.28	31.35	24.25	1484.
100	9.10	31.49	24.39	1484.
125	8.93	31.66	24.55	1484.
150	8.83	31.76	24.64	1484.
175	8.83	31.76	24.64	1485.
200	8.83	31.75	24.63	1485.
225	8.78	31.80	24.68	1485.
250	8.78	31.81	24.68	1486.
275	8.78	31.82	24.69	1486.
300	8.73	31.86	24.73	1487.

STATION js CRUISE 79-14 CONS #179
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 2:23:32 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.51	31.18	24.08	1484.
10	9.42	31.25	24.14	1484.
20	9.41	31.25	24.15	1484.
30	9.38	31.27	24.17	1484.
50	9.26	31.34	24.24	1484.
75	9.19	31.41	24.31	1484.
100	9.08	31.51	24.40	1484.
125	8.95	31.64	24.52	1484.
150	8.90	31.69	24.57	1485.
175	8.81	31.78	24.66	1485.
200	8.84	31.76	24.63	1485.
225	8.82	31.77	24.65	1486.
250	8.81	31.79	24.66	1486.
275	8.78	31.83	24.70	1486.
300	8.75	31.86	24.72	1487.

STATION js CRUISE 79-14 CONS #181
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 3:24:35 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.46	31.19	24.09	1484.
10	9.46	31.21	24.11	1484.
20	9.43	31.23	24.13	1484.
30	9.38	31.27	24.17	1484.
50	9.33	31.30	24.20	1484.
75	9.20	31.40	24.30	1484.
100	9.15	31.45	24.35	1484.
125	9.01	31.58	24.47	1484.
150	8.93	31.66	24.55	1485.
175	8.79	31.79	24.67	1485.
200	8.78	31.81	24.68	1485.
225	8.78	31.82	24.69	1485.
250	8.78	31.84	24.70	1486.
275	8.76	31.85	24.72	1486.
300	8.74	31.88	24.74	1487.

STATION js CRUISE 79-14 CONS #183
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 4:19: 7 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.48	31.25	24.13	1484.
10	9.47	31.25	24.14	1484.
20	9.44	31.27	24.16	1484.
30	9.37	31.28	24.18	1484.
50	9.30	31.32	24.22	1484.
75	9.21	31.39	24.29	1484.
100	9.16	31.46	24.35	1484.
125	8.90	31.69	24.57	1484.
150	8.85	31.75	24.63	1484.
175	8.82	31.77	24.64	1485.
200	8.80	31.82	24.69	1485.
225	8.77	31.85	24.72	1485.
250	8.77	31.84	24.71	1486.
275	8.75	31.87	24.73	1486.
300	8.73	31.88	24.75	1487.

STATION js CRUISE 79-14 CONS #185
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 5:14:26 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.43	31.22	24.12	1483.
10	9.44	31.25	24.14	1484.
20	9.37	31.27	24.17	1484.
30	9.36	31.28	24.18	1484.
50	9.27	31.35	24.25	1484.
75	9.01	31.58	24.47	1484.
100	8.93	31.66	24.54	1484.
125	8.90	31.69	24.57	1484.
150	8.82	31.78	24.65	1484.
175	8.79	31.82	24.69	1485.
200	8.78	31.83	24.70	1485.
225	8.78	31.84	24.71	1485.
250	8.76	31.85	24.72	1486.
275	8.76	31.87	24.73	1486.
300	8.73	31.90	24.76	1487.

STATION js CRUISE 79-14 CONS #187
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 6:17:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.42	31.18	24.09	1483.
10	9.40	31.23	24.13	1483.
20	9.37	31.27	24.17	1484.
30	9.37	31.26	24.17	1484.
50	9.30	31.32	24.22	1484.
75	9.25	31.36	24.26	1484.
100	9.03	31.56	24.45	1484.
125	8.96	31.64	24.53	1484.
150	8.85	31.74	24.62	1484.
175	8.82	31.78	24.65	1485.
200	8.79	31.81	24.68	1485.
225	8.79	31.83	24.70	1485.
250	8.76	31.86	24.73	1486.
275	8.73	31.89	24.75	1486.
300	8.73	31.90	24.76	1487.

STATION js CRUISE 79-14 CONS #189
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 7:22:19 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.47	31.25	24.14	1484.
10	9.37	31.28	24.18	1483.
20	9.34	31.30	24.20	1484.
30	9.25	31.35	24.25	1483.
50	9.23	31.37	24.27	1484.
75	9.21	31.39	24.29	1484.
100	9.20	31.40	24.30	1484.
125	8.89	31.70	24.58	1484.
150	8.83	31.78	24.65	1484.
175	8.78	31.84	24.70	1485.
200	8.79	31.84	24.70	1485.
225	8.78	31.85	24.72	1485.
250	8.77	31.87	24.73	1486.
275	8.73	31.90	24.76	1486.
300	8.74	31.90	24.76	1487.

STATION js CRUISE 79-14 CONS #191
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 8:25:20 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.53	31.24	24.13	1484.
10	9.41	31.28	24.17	1484.
20	9.39	31.30	24.19	1484.
30	9.33	31.34	24.23	1484.
50	9.31	31.37	24.25	1484.
75	9.07	31.52	24.41	1484.
100	9.05	31.55	24.43	1484.
125	8.97	31.62	24.50	1484.
150	8.84	31.77	24.64	1484.
175	8.79	31.84	24.71	1485.
200	8.78	31.85	24.72	1485.
225	8.78	31.85	24.71	1485.
250	8.75	31.89	24.75	1486.
275	8.75	31.89	24.75	1486.
300	8.74	31.89	24.75	1487.

STATION js CRUISE 79-14 CONS #193
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 9:25:26 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.64	31.23	24.10	1484.
10	9.34	31.26	24.17	1483.
20	9.29	31.31	24.21	1483.
30	9.28	31.33	24.23	1483.
50	9.17	31.44	24.34	1484.
75	8.98	31.62	24.51	1483.
100	8.94	31.66	24.54	1484.
125	8.91	31.70	24.57	1484.
150	8.84	31.78	24.65	1484.
175	8.82	31.81	24.67	1485.
200	8.80	31.82	24.69	1485.
225	8.79	31.84	24.70	1485.
250	8.78	31.85	24.72	1486.
275	8.76	31.88	24.74	1486.
300	8.74	31.90	24.75	1487.

STATION js CRUISE 79-14 CONS #195
 POSITION 50-27.9N 126- 8.2W
 DATE 79/ 8/13 TIME 11:16:39 PST

DEPTH	TEMP	SAL	SIGMA-T	SOUND
0	9.54	31.19	24.08	1484.
10	9.48	31.20	24.10	1484.
20	9.31	31.27	24.18	1483.
30	9.25	31.33	24.23	1483.
50	9.05	31.55	24.44	1483.
75	8.88	31.70	24.58	1483.
100	8.84	31.77	24.64	1484.
125	8.80	31.81	24.68	1484.
150	8.79	31.84	24.70	1484.
175	8.77	31.85	24.72	1485.
200	8.77	31.85	24.72	1485.
225	8.77	31.86	24.72	1485.
250	8.73	31.88	24.75	1486.
275	8.72	31.89	24.75	1486.
300	8.72	31.90	24.76	1487.

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DATA RECORD OF CURRENT OBSERVATIONS

VOLUME VIII

DISCOVERY PASSAGE, JOHNSTONE STRAIT AND QUEEN CHARLOTTE STRAIT

**PART 2 - APPENDICES (LISTING OF WATER PROPERTY DATA)
APPENDICES C, D, E - 1976, 1977, 1978, (1979)**

by R.E. Thomson, W.S. Huggett and L.S.C. Kuwahara



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SIDNEY, B.C.**

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Institute of Ocean Sciences
Sidney, B.C.
1980

APPENDIX C

Listings of dissolved oxygen (non time-series stations)

The dissolved oxygen content (mL/L) for along-channel transects of the inside passage are listed by cruise number for standard depths. At time-series locations, values from the last cast only have been listed. Except for Queen Charlotte Strait, secondary locations, values are rounded off the nearest one hundredth mL/L.

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: SG1

CRUISE IDENTIFICATION

DEPTH (M)	1976				1977				1978				1979		
	20A APR	20B APR	22A JUN	22B JUN	10A JAN	10B JAN	11A MAR	12 MAY	13 JUL	14 SEP	15 NOV	10 JAN	15A MAY	15B MAY	14 AUG
0	8.15	6.75	7.59	6.15	6.50	6.33	6.30	7.78	5.57	5.83	6.19	6.50	6.20	8.88	7.32
10	7.66	6.33	5.63	5.64	4.83	4.70	6.26	5.43	4.52	4.98	5.88	6.08	5.37	5.73	7.38
20	6.47	6.06	5.07	5.15	4.75	4.32	6.25	5.32	4.47	4.17	5.72	5.36	5.08	5.52	5.99
30	5.62	5.93	4.88	4.90	4.73	4.47	5.83	5.10	4.42	4.19	5.34	5.02	4.89	5.45	4.88
50	5.25	5.79	4.60	4.64	4.52	4.42	5.46	4.66	4.27	3.97	5.10	4.91	4.50	5.09	4.88
75	5.25	5.16	4.38	4.13	4.16	3.75	5.01	4.14	3.82	3.95	4.61	4.83	4.17	5.03	4.90
100	4.81	4.76	4.12	4.15	3.70	3.59	4.78	3.98	3.83	3.64	4.66	3.92	4.05	4.16	4.65
125	4.27		4.13	4.17	3.67	3.52	3.76	3.74	3.78	3.54	3.69	3.85		5.15	4.59
150														3.92	4.50

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: DP1

CRUISE IDENTIFICATION

DEPTH (M)	1976					
	20A	20B	22A	22B		
	APR	APR	JUN	JUN		
0		6.07		5.37		
10		6.07		5.06		
20		6.08		5.22		
30		6.06		5.39		
50		6.05		5.37		
75				5.34		

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: 002

CRUISE IDENTIFICATION

DEPTH (M)	1976				1977				1978				1979			
	20A APR	20B APR	22A JUN	22B JUN	10A JAN	10B JAN	11A MAR	11B MAR	12 MAY	13 JUL	14 SEP	15 NOV	10 JAN	15A MAY	15B MAY	14 AUG
0	5.88	6.14	5.53	6.08	5.09	5.70	5.39	4.84	4.50	5.02	5.16	5.44	5.16	5.44	5.19	5.19
10	5.77	6.07	5.52	6.44	5.04	5.67	5.48	4.79	4.63	4.99	5.16	5.44	5.16	5.44	5.08	5.08
20	5.78	6.10	5.51	6.38	5.03	5.65	5.46	4.82	4.50	4.97	5.14	5.56	5.14	5.56	--	--
30	5.77	6.01	5.54	5.48	5.05	--	5.46	4.79	4.49	4.96	5.15	5.55	5.15	5.55	5.09	5.09
50	5.76	6.08	5.52	5.41	5.03	5.63	5.52	4.82	4.50	4.93	5.17	5.60	5.17	5.60	4.91	4.91
75	5.80	6.01	5.45	5.38	5.08	5.60	5.48	4.77	4.47	4.80	5.14	5.66	5.14	5.66	5.01	5.01
100	5.82	6.02	5.39	5.42	5.11	5.60	5.49	4.80	4.47	4.87	5.16	5.66	5.16	5.66	4.99	4.99
125	5.85	--	5.49	5.36	5.15	5.62	5.54	4.81	4.46	4.93	5.19	5.64	5.19	5.64	--	--
150	5.85	6.06	5.37	5.39	5.13	5.61	5.45	4.82	4.46	4.93	5.24	5.72	5.24	5.72	5.02	5.02
175	5.93	6.07	5.38	5.42	5.16	5.62	5.56	4.82	4.45	4.89	5.30	5.74	5.30	5.74	--	--
200	5.88	6.00	5.38	5.39	5.19	5.65	5.54	4.86	4.44	4.92	5.33	5.75	5.33	5.75	4.99	4.99

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DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: 13

CRUISE IDENTIFICATION

	1976				1977				1978				1979
	20A	20B	22A	22B	10A	10B	11A	11B	12	13	14	15	16
1	5.97	5.90	5.62	5.42	5.21	5.27	5.76	5.64	5.67	4.93	4.50	4.87	5.12
2	5.99	5.91	5.43	5.45	5.21	5.27	5.74	5.62	5.65	4.92	4.42	4.85	5.00
3	5.99	5.91	5.44	5.42	5.24	5.24	5.76	5.65	5.67	4.88	4.41	4.85	4.96
4	5.95	5.81	5.44	5.38	5.28	5.29	5.76	5.68	5.62	4.91	4.40	4.89	5.07
5	5.93	5.84	5.44	5.41	5.35	5.27	5.77	5.66	5.68	4.88	4.36	4.87	5.00
6	5.99	5.99	5.42	5.37	5.37	5.32	5.75	5.72	5.67	4.90	4.35	4.88	5.05
7	5.99	5.99	5.49	5.32	5.35	5.34	5.79	5.72	5.71	4.86	4.33	4.89	4.92
8	5.99	5.99	5.37	5.35	5.25	5.31	5.80	5.73	5.68	4.90	4.34	4.87	4.95
9	5.99	5.99	5.39	5.39	5.36	5.31	5.79	5.75	5.67	4.91	4.30	4.86	4.91
10	5.99	5.99	5.38	5.35	5.39	5.30	5.80	5.75	5.56	4.90	4.32	4.98	4.87
11	5.99	5.99	5.35	5.28	5.41	5.36	5.77	5.76	5.54	4.89	4.87	4.87	4.85

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: J4A

CRUISE IDENTIFICATION

DEPTH (M)	1977		1978		1979	
	10H	JAN	10	15A	14	AUG
0	5.30		5.78	6.00	5.06	
10	5.44		5.76	6.00	--	
20	5.38		5.79	6.00	--	
30	5.45		5.79	5.99	4.51	
50	5.40		5.79	5.97	4.93	
75	5.51		5.84	6.01	--	
100	5.54		5.86	5.99	--	
125	5.49		5.85	6.00	--	
150	5.56		5.84	5.99	4.83	
175	5.62		5.82	5.99	--	
200	5.65		5.86	--	4.81	
250			N			
300						

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: J9

CRUISE IDENTIFICATION

DEPTH (M)	1976			1977			1978			1979	
	20H	22H	11H	13	14	15	10	15A	14		
	APR	JUN	MAR	JUL	4.5	4.9	JAN	MAY	AUG		
2	6.35	5.53	6.04	5.14	4.26	4.86	5.90	6.12	4.81		
10	6.20	5.55	5.97	5.09	4.18	4.86	5.87	6.17	4.39		
20	6.15	5.39	5.97	4.98	4.11	4.83	5.88	6.18	--		
30	6.08	5.28	5.94	4.99	4.11	4.84	5.90	6.19	4.63		
50	6.04	5.25	5.95	4.87	4.07	4.73	5.91	6.05	4.60		
75	6.03	5.45	5.96	4.78	4.03	4.84	5.98	6.06	4.61		
100	5.99	5.17	5.96	4.78	4.00	4.86	6.00	5.97	4.50		
125	6.00	5.13	5.98	4.69	3.98	4.82	6.03	5.97	--		
150	6.00	5.05	6.01	4.59	3.98	4.83	6.05	5.87	4.36		
175	6.06	4.97	6.02	4.53	3.86	4.90	6.07	5.87	--		
200	5.98	4.98	6.02	4.52	3.96	4.84	6.10	5.83	4.33		
250	6.05	4.91	6.04	4.47	3.91	4.80	6.10	5.85	4.23		
300	--	4.79	5.99	--	--	--	6.07	4.45	4.33		

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: J10

CRUISE IDENTIFICATION

DEPTH (M)	1976	1977
	20A	22A
	APR	JUN
		JAN
0	6.19	5.79
10	6.10	5.59
20	6.11	5.49
30	6.02	5.64
50	5.98	5.64
75	5.96	5.61
100	5.96	5.63
125	5.96	5.60
150	5.97	5.67
175	5.97	5.67
200	5.93	5.72
250	5.96	5.72
300	5.92	5.73

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: J12

CRUISE IDENTIFICATION

		1976	1977	1978
DEPTH	20A	22A	104	14
(M)	APR	JUN	JAN	SEP
0	6.22	5.77	5.73	6.19
10	6.25	5.50	5.70	6.06
20	6.21	5.28	5.70	5.91
30	6.17	5.23	5.71	5.82
50	6.00	5.15	5.71	5.68
75	5.98	5.12	5.74	5.63
100	5.99	5.08	5.75	5.59
125	5.98	4.96	5.75	5.62
150	6.00	4.96	5.74	5.61
175	6.09	4.92	5.71	5.66
200	6.05	4.85	5.79	5.55
250	6.06	4.85	5.81	5.51
300	5.94	4.86	5.77	5.49
350	--	4.86	5.80	5.48
400	6.05	4.82	--	5.44
450	--	--	5.78	--
500		4.82		

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: J12

CRUISE IDENTIFICATION

DEPTH (m)	1976		1977			1978	
	20A	22A	10A	12	14	15A	MAY
0	6.22	5.77	5.73	6.19	4.38	6.53	
10	6.25	5.50	5.70	6.06	4.47	6.41	
20	6.21	5.28	5.70	5.91	4.26	6.17	
30	6.17	5.23	5.71	5.82	4.25	6.15	
50	6.00	5.15	5.71	5.68	4.12	6.02	
75	5.95	5.12	5.74	5.63	4.07	5.94	
100	5.99	5.08	5.75	5.59	4.05	5.96	
125	5.98	4.96	5.75	5.62	4.00	5.89	
150	6.00	4.96	5.74	5.61	4.01	5.89	
175	6.09	4.92	5.71	5.66	3.98	5.90	
200	6.05	4.85	5.79	5.55	3.99	5.90	
250	6.06	4.85	5.81	5.51	4.00	5.88	
300	5.94	4.86	5.77	5.49	3.97	5.92	
350	--	4.86	5.80	5.48	4.01	--	
400	6.05	4.82	--	5.44	3.99	5.86	
450	--	--	5.78			5.77	
500		4.82					

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: J13

CRUISE IDENTIFICATION

	1976				1977				1978			1979	
	204 APR	208 APR	224 JUN	228 JUN	11A MAR	11B MAR	12 MAY	13 JUL	14 SEP	15 NOV	10 JAN	15A MAY	
100	5.17	5.73	5.58	5.62	6.24	6.09	6.14	5.62	4.39	5.22	6.13	6.51	5.20
110	5.00	5.31	5.09	5.62	6.23	6.04	6.15	5.40	4.36	5.21	6.10	6.49	4.67
120	5.13	5.22	5.53	5.06	6.24	6.09	6.07	5.12	4.20	5.04	6.07	6.33	4.66
130	5.17	5.22	5.40	5.27	6.29	6.11	5.89	5.06	4.20	5.06	6.07	6.19	--
140	5.18	5.17	5.27	5.29	6.27	6.08	5.76	4.92	4.18	5.03	6.07	6.07	4.35
150	5.15	5.10	5.26	5.17	6.30	6.09	5.72	4.78	4.00	5.41	6.11	6.14	4.35
160	5.15	5.22	5.27	5.08	6.35	6.11	5.70	4.77	4.12	5.09	6.12	6.05	4.39
170	5.09	5.28	5.02	5.00	6.38	6.13	5.69	4.68	4.11	5.12	6.09	6.06	--
180	5.16	5.10	--	5.01	6.30	6.13	5.61	4.63	4.08	5.07	6.11	5.97	4.41
190	5.01	5.00	5.04	4.90	6.31	--	5.59	4.62	4.07	5.06	6.16	5.97	--
200	--	5.05	5.03	4.96	6.33	6.25	5.60	4.59	4.13	5.05	6.13	6.01	4.37
210	5.05	5.06	4.92	4.89	6.33	5.09	5.59	4.55	4.03	4.99	6.16	5.96	4.38
220	5.06	5.09	4.87	4.91	6.29	6.00	5.51	4.53	4.01	4.92	6.12	5.87	4.33
230	--	--	4.80	4.65	6.25	6.06	5.53	4.49	4.00	4.98	6.11	--	--
240	5.01	5.96	4.77	4.71	6.20	6.08	--	4.47	3.98	4.87	--	5.90	4.28
250	--	--	3.85	4.74	--	--	5.51	--	--	--	6.12	5.86	--

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CHRIST IDENTIFICATION

[illegible]

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: J14A

CRUISE IDENTIFICATION

DEPTH (M)	1976 JUN	1977 JAN	1977 NOV	1978 JAN	1978 MAY	1979 AUG
0	6.68	5.51	5.17	6.18	6.07	--
10	5.64	5.50	5.19	6.17	6.16	4.52
20	5.54	5.52	5.14	6.09	5.58	4.54
30	5.32	5.55	5.20	6.17	5.56	4.42
50	5.34	5.56	5.22	6.20	5.57	4.21
75	4.77	5.57	5.12	6.15	--	4.15
100	4.58	5.58	5.23	6.19	5.64	4.04
125	4.36	5.59	5.25	6.19	5.66	3.96
150	4.27	5.60				
175		5.61				
200		5.63				

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: ESTI

CRUISE IDENTIFICATION

DEPTH (M)	1977												1978		1979	
	10A JAN	11A MAR	12 MAY	13 JUL	14 AUG	15 NOV	10 JAN	15A MAY	10 JAN	15A MAY	10 JAN	15A MAY	10 JAN	15A MAY		
0	5.89	6.42	6.19	6.28	4.58	5.40	6.27	6.28					3.57			
10	1.88	6.41	6.10	5.72	4.08	5.39	6.24	6.13					4.37			
20	5.86	6.36	5.72	4.61	3.88	5.26	6.21	5.76					--			
30	5.78	6.24	5.46	4.32	3.63	5.34	6.23	5.74					4.21			
50	5.63	6.09	5.19	4.06	3.68	5.39	6.15	5.40					3.74			
75	6.01	6.04	5.14	3.87	3.71	4.98	6.16	5.14					3.55			
100	--	6.00	--	3.60	3.80	5.01	6.21	4.99					2.8			
125	5.91	6.00	4.63	3.37	3.42	5.19	6.56	4.85					2.4			
150	5.77	5.89	4.32	3.28	3.26	5.06	6.36	4.39					2.98			
175	5.70	5.95	4.20	3.12	3.08	4.72	6.19	4.28					2.88			

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: NSTS

CRUISE IDENTIFICATION

DEPTH (M)	1977				1978			1979	
	10A JAN	12 MAY	13 JUL	14 AUG	15 NOV	10 JAN	15A MAY	14	
0	6.01	6.08	5.57	5.14	5.90	6.44	6.37	6.81	
10	5.99	5.99	5.45	4.81	5.92	6.42	6.23	6.08	
20	5.97		4.75	4.39	5.93	6.42	6.22		
30	5.99	5.92	4.59	4.43	5.94	6.40	6.20	4.78	
50	5.93	5.42	4.36	4.34	5.90	6.42	5.61	3.73	
75	5.92	5.30	3.77	3.92	5.56	6.40	5.29	3.48	
100	5.91	4.89	3.63	3.45	5.35	6.41	4.95	3.22	
125	5.82	4.57	3.53	3.11	5.11	6.41	4.64	3.03	

DISSOLVED OXYGEN CONTENT (ML/L)

STATION IDENTIFICATION: QST4

CRUISE IDENTIFICATION

STATION IDENTIFICATION: QST6

CRUISE IDENTIFICATION

DEPTH (M)	1977	1978
10A	12	15A
JAN	MAY	MAY
0	5.97 5.89 5.91	6.31
10	5.97 5.90 5.91	6.19
20	5.88 5.50 5.92	6.19
30	5.87 5.36 5.89	6.20
50	6.00 5.34 5.76	5.80
75	5.88 5.22	
100	5.86	

DEPTH (M)	1977	1978
10A	11A	12
JAN	MAR	MAY
0	5.99 6.56 6.44	
10	5.98 6.48 5.72	
20	5.94 6.38 5.58	
30	6.07 6.37 5.80	
50	6.08 6.35 5.72	
75	6.21 6.31 5.55	
100	6.27 6.21 4.52	
125	6.15 6.16 5.05	
150	5.73 5.95 4.11	
175	5.49 5.78 3.96	
200	5.34 5.55 3.91	
250	5.34 5.47 3.82	
300	5.22 5.39 3.69	
350	5.03	

DISSOLVED OXYGEN (ml/l)

QUEEN CHARLOTTE STRAIT, SECONDARY LOCATIONS

STATION: QST5			STATION: QST8			
DEPTH (m)	78-10 Jan.	78-15 May	DEPTH (m)	78-10 Jan.	78-15 May	79-14 Aug.
0	6.497	6.652	0	6.503	7.358	6.863
10	6.477	6.490	10	6.485	6.577	5.552
20	6.477	6.509	20	6.468	6.164	-
30	6.493	5.999	30	6.452	5.768	4.045
50	6.528	5.556	50	6.440	5.439	4.159
75	6.441	5.275	75	5.268	5.318	4.045
100	6.361	5.088	100	6.402	4.991	3.930
125	6.335	4.770	125	6.348	-	-
150	6.238	4.595				
175	6.206	-				
200	6.161	4.722				
250	5.995					

STATION: QST9					STATION: QST10			
DEPTH (m)	77-15 Nov.	78-10 Jan.	78-15 May	79-14 Aug.	DEPTH	77-15 Nov.	78-10 Jan.	79-14 Aug.
0	6.136	6.537	6.137	4.595	0	6.284	6.532	6.554
10	6.145	6.460	6.100	4.484	10	6.247	6.608	6.019
20	6.148	6.441	6.067	-	20	6.224	6.485	-
30	6.090	6.415	5.945	4.051	30	6.261	6.465	4.861
50	6.092	6.406	5.507	3.705	50	6.067	6.467	4.417
75	6.085	6.413	4.903	3.711	75	5.857	6.396	4.062
100	6.052	6.333	4.577	3.676	100	5.781	6.383	3.888
125	6.057	6.350	4.144	-	125	5.548	6.349	-
150	6.039	6.264	4.032	3.226	150	5.174	6.363	3.083
175	5.997	6.109	3.901	-	175	4.888	6.235	-
200	5.981	6.135	3.774	3.065	200	4.725	6.046	2.834
250	5.818	6.061	3.599	2.888	250	4.019	5.759	2.707
300	5.593	5.959	3.466	2.603	300	3.753	5.449	2.630
330	5.453	5.950*	3.423*	-	350	3.390	5.177	-
		(340m)	(325)		400	-	-	3.414

APPENDIX D

Listings of dissolved oxygen (time-series stations)

The dissolved oxygen content (ml/l) for time-series stations are listed for standard depths. Times are Pacific Standard Time.

DISSOLVED OXYGEN (ml/l)

STATION: J8 DATE: 26 April, 1976

DEPTH (m)	START TIME (HOUR)					
	2030	0030	0430	0830	1230	1630
0	6.25	6.22	6.25	6.11	6.12	5.98
10	6.16	6.17	5.65*	6.09	6.10	6.05
20	6.16	6.09	6.24	6.10	6.09	6.03
30	6.14	6.13	6.21	6.10	6.08	6.03
50	6.15	6.07	6.16	6.11	6.12	5.95
75	6.12	6.04	6.11	6.18	6.09	5.97
100	6.07	6.03	6.12	6.07	6.07	5.95
125	6.06	6.01	6.08	6.06	5.96	5.91
150	6.00	6.00	6.07	6.04	6.00	5.89
175	6.00	6.00	6.05	6.05	6.05	5.87
200	6.02	5.97	6.07	6.03	5.99	5.86
230	5.98	5.94	6.03	5.95	5.98	5.85

* Probably incorrect

DISSOLVED OXYGEN (ml/l)

STATION: J9 DATE: 25 April, 1976

DEPTH (m)	START TIME (HOUR)						
	1630	2030	0030	0430	0830	1230	1630
0	6.27	6.18	6.22	6.28	6.00	6.35	6.29
10	6.20	6.13	6.14	6.25	6.16	6.20	-
20	-	6.08	6.12	6.17	6.17	6.15	-
30	6.06	-	6.10	6.15	6.17	6.08	-
50	6.05	6.04	6.10	6.20	6.01	6.04	-
75	6.04	6.01	6.09	6.02	6.07	6.03	-
100	6.01	6.01	6.07	6.07	6.03	5.99	-
125	6.02	6.01	6.06	6.06	6.02	6.00	-
150	6.00	5.97	6.02	6.02	5.99	6.00	-
175	6.04	5.99	6.01	6.04	5.96	6.06	-
200	6.00	5.99	6.03	5.97	5.96	5.98	5.94
250	5.97	5.99	6.02	5.98	5.94	6.05	5.91

DISSOLVED OXYGEN (mℓ/ℓ)

STATION: J11 DATE: 24 April, 1976

DEPTH (m)	START TIME (HOUR)					
	0830	1230	1630	2030	0030	0445
0	6.35	6.31	6.22	6.38	6.44	6.30
10	6.32	6.23	6.18	6.16	6.33	6.16
20	6.25	6.18	6.06	6.14	6.22	6.14
30	6.23	6.13	6.13	6.12	6.16	6.12
50	6.18	6.11	6.10	6.05	6.14	6.12
75	6.09	6.03	6.02	6.01	6.05	6.03
100	6.06	5.99	5.96	6.01	6.04	6.01
125	6.02	6.03	5.92	6.01	6.00	5.99
150	6.02	6.02	6.08	5.96	6.01	5.96
175	6.02	5.98	6.02	5.97	6.02	5.94
200	6.06	5.97	5.98	5.95	5.98	5.95
250	6.02	5.94	5.97	5.93	5.98	5.92
300	5.93	5.92	5.96	5.95	6.18	5.93

DISSOLVED OXYGEN (ml/l)

STATION: J13 DATE: 23 April, 1976

DEPTH (m)	START TIME (HOUR)					
	0815	1215	1615	2015	0015	0415
0	6.22	6.18	6.19	6.25	6.19	6.73
10	6.19	6.18	6.20	6.26	6.16	6.13
20	6.18	6.16	6.18	6.23	6.15	6.22
30	6.15	6.16	6.19	6.21	6.14	6.22
50	6.10	6.09	6.09	6.20	6.12	6.17
75	6.08	6.05	6.05	6.18	6.12	6.14
100	6.00	6.03	6.03	6.15	6.10	6.22
125	6.01	6.03	6.07	6.15	6.07	6.28
150	6.01	5.96	6.05	6.11	6.04	6.10
175	6.01	6.02	5.91	6.08	6.02	6.04
200	5.98	6.01	6.05	6.11	5.99	6.03
250	5.94	5.95	5.97	6.04	5.96	6.00
300	5.88	5.96	5.97	6.00	5.94	5.99
400	5.87	5.92	5.93	6.01	5.90	5.96

DISSOLVED OXYGEN (ml/l)

STATION: J14A DATE: 30 January, 1977

DEPTH (m)	START TIME (HOUR)			
	1830	2230	0230	0630*
0	5.79	5.79	5.87	5.85
10	5.79	6.13	5.86	5.85
20	5.80	5.84	5.79	5.82
30	5.81	5.78	5.79	5.80
50	5.81	5.77	5.79	-
75	5.81	5.76	5.79	-
100	5.81	5.76	5.81	-
125	5.85	5.76	5.78	-

* Ship blown off station during cast

DISSOLVED OXYGEN (ml/l)

STATION: J8 DATE: 6 March, 1977

DEPTH (m)	START TIME (HOUR)								
	0330	0730	1130	1433	1830	2230	0230	0630	1030
0	6.27	5.86	5.79	5.92	5.97	5.84	5.93	5.99	5.93
10	5.68	5.85	5.91	5.92	-	5.88	5.92	6.06	5.90
20	5.95	5.89	5.90	5.94	5.91	5.91	5.91	5.96	5.97
30	5.91	5.91	5.87	5.94	5.93	5.91	5.90	5.94	5.78
50	5.94	5.92	5.89	5.94	5.32	6.01	5.95	5.97	5.90
75	5.94	5.94	5.94	5.94	6.05	-	5.95	5.98	6.04
100	5.95	5.94	5.93	5.94	6.00	5.93	5.97	5.99	5.92
125	5.95	5.99	5.94	5.97	6.00	5.97	6.00	5.99	5.94
150	6.00	5.96	6.00	6.00	6.01	5.96	6.00	5.95	5.94
175	6.00	5.99	5.99	6.02	6.00	5.95	5.99	5.99	5.94
200	6.00	6.01	5.78	6.02	6.01	5.94	6.01	6.00	5.94
250	-	-	-	-	6.04	5.95	6.03	5.91	5.94

DISSOLVED OXYGEN (ml/l)

STATION: J6 DATE: 12 May, 1977

DEPTH (m)	START TIME (HOUR)						
	1430	1530	1730	1930	2130	2330	0130
0	5.44	5.76	5.75	5.96	5.68	5.94	5.46
10	5.81	5.77	5.66	5.75	5.65	5.98	5.78
20	-	5.80	5.75	5.72	5.66	5.86	5.77
30	5.66	5.76	5.74	5.74	5.69	5.89	5.75
50	5.59	5.68	5.72	5.72	5.68	5.89	5.73
75	5.65	5.64	5.72	5.72	5.62	5.74	5.71
100	5.65	5.60	5.57	5.71	5.60	5.76	5.71
125	5.63	5.62	5.56	5.66	5.60	5.59	5.62
150	5.21*	5.60	5.59	5.61	5.62	5.62	5.61
175	5.42	5.58	5.56	5.59	5.58	5.61	5.55

* Slightly low, noted during analyses

DISSOLVED OXYGEN (ml/l)

STATION: S1 DATE: 13 May, 1977

DEPTH (m)	START TIME (HOUR)					
	0315	0515	0715	0915	1115	1330
0	6.99	6.63	6.95	6.27	5.93	6.48
10	6.52	5.87	-	6.34	5.97	6.44
20	6.10	5.96	6.00	6.12	5.96	5.93
30	5.89	5.96	5.97	5.93	5.75	5.71
50	5.72	5.86	6.01	5.78	5.65	5.57
75	5.60	5.63	5.63	5.73	5.57	5.54
100	5.52	5.54	5.52	5.09	5.53	5.53

APPENDIX E

Listings of nutrient data: nitrate, phosphate and silicate.

For each cruise, only one nutrient cast was taken at a specific station. Presented are the average values for each depth derived from duplicate (or triplicate) samples at that depth drawn from the same water bottle. Except for Cruise 77-15 (November 1977), samples which were prematurely thawed or showed evidence of salt extrusion have been omitted. Nutrient samples collected during cruise 77-15 were accidentally thawed for three days in a closed freezer and then re-frozen. Obviously erroneous data in this case have been omitted; however the remainder presented for this cruise may also be invalid.

The maximum duration between sample collection and analysis was six months for cruise 77-10 (collected at the end of January 1977 and analyzed at the beginning of July 1977).

MEAN NITRATE CONCENTRATION (UG AT / L)

STATION IDENTIFICATION: SGI

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	10	11	12	14	15*	10	JAN
0	26.1	26.8	4.4	13.9	25.2	27.8	
10	28.1	26.2	18.5	18.9	26.8	28.7	
20	27.6	26.7	18.4	24.2	29.5	30.9	
30	27.5	25.9	21.1	25.7	33.7	30.6	
50	27.7	26.0	22.1	24.7	28.5	29.2	
75	28.2	27.2	25.9	27.4	--	30.0	
100	28.6	26.9	25.3	23.8	34.0	30.7	
125	28.4	27.5	26.3	--	32.0	30.2	

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: SGI

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	10	11	12	14	15*	10	JAN
0	2.28	0	0.90	1.69	2.03	2.55	
10	2.49	2.55	2.29	2.71	2.44	2.67	
20	2.46	2.46	2.19	2.74	2.56	2.67	
30	2.43	2.50	2.14	2.89	2.54	2.75	
50	2.45	2.50	2.30	3.07	2.37	2.67	
75	2.46	2.46	2.43	3.12	2.67	2.65	
100	2.44	2.64	2.15	3.04	2.65	2.84	
125	2.48	2.71	2.43	--	2.77	2.83	

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: SGI

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	10	11	12	14	15	10	JAN
0	44.7	48.2	12.2	37.2	49.2	52.7	
10	49.9	48.0	37.1	44.7	49.8	54.3	
20	47.0	49.0	41.2	51.0	55.9	59.4	
30	48.1	48.3	43.0	53.3	64.3	59.4	
50	50.5	48.2	43.1	51.6	50.1	55.0	
75	51.5	47.3	50.4	54.6	--	57.9	
100	50.3	47.1	49.9	54.9	41.5	59.2	
125	50.0	53.0	53.2	--	55.8	59.2	

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: CP2

CRUISE IDENTIFICATION

DEPTH	FMA	1977					1978	
		10	11	12	14	15*	10	JAN
0	1	27.6	25.6	20.3	24.1	35.1	28.9	1
10	1	27.5	26.1	26.7	25.3	29.8	28.2	1
20	1	27.4	25.0	21.2	27.9	--	28.1	1
30	1	27.2	26.4	21.5	26.5	29.2	28.9	1
50	1	27.3	22.8	21.4	27.9	--	30.0	1
75	1	27.3	25.9	21.7	24.8	31.5	--	1
100	1	27.2	26.4	22.5	24.3	--	30.4	1
125	1	27.1	26.0	21.8	24.4	--	29.0	1
150	1	26.9	24.2	22.1	24.0	27.6	--	1
175	1	26.4	25.2	22.7	25.1	28.6	--	1
200	1	26.9	26.0	22.6	25.4	28.0	--	1

STATION IDENTIFICATION (UG AT/L)

STATION IDENTIFICATION: DP2

CRUISE IDENTIFICATION

DEPTH	10	11	12	14	15*	1977	1978
(m)	JAN	MAR	MAY	SEP	NOV	JAN	JAN
0	2.34	2.26	2.21	2.33	2.42	2.61	2.61
10	2.32	2.45	2.48	2.40	3.02	2.59	2.59
20	2.35	2.38	2.34	2.33	--	2.54	2.54
30	2.31	2.45	2.29	2.43	2.53	2.55	2.55
50	2.33	2.47	2.23	2.40	2.46	2.44	2.44
75	2.35	2.46	2.48	2.28	2.26	--	--
100	2.22	2.49	2.31	2.33	--	2.61	2.61
125	2.29	2.38	2.37	2.36	--	2.59	2.59
150	2.35	2.47	2.31	2.37	--	2.37	2.37
175	1.99	2.38	2.50	2.40	--	2.42	2.42
200	2.54	2.43	2.34	2.56	--	2.50	2.50

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: DP2

(CRUISE IDENTIFICATION)

DP2 (M)	1977					1978	
	10	11	12	14	15*	10	JAN
0	47.8	47.9	39.1	48.4	64.5	56.8	
10	48.3	46.0	40.7	50.4	56.2	55.1	
20	48.0	48.2	41.8	55.8	--	54.9	
30	48.5	48.5	42.0	53.1	52.0	56.6	
50	47.8	43.4	42.4	55.9	--	55.2	
75	47.9	47.6	42.2	50.9	55.5	53.4	
100	49.1	50.7	43.7	49.5	--	60.1	
125	49.8	49.2	42.5	49.3	--	57.1	
150	48.5	45.3	42.6	47.6	50.7	54.6	
175	48.2	46.2	43.5	49.3	54.5	63.9	
200	47.7	43.9	42.7	50.4	54.9	63.5	
250	N						
300	N						

HEAVY METAL CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J1

CRUISE IDENTIFICATION

DEPTH (M)	10	1977				1978	
		JAN	MAR	MAY	SEP	10	JAN
0	27.3	30.0	22.1	25.6		32.0	
10	27.2	26.4	22.6	26.4		32.4	
20	27.1	27.5	22.5	26.2		31.8	
30	27.1	29.2	22.3	25.6		28.8	
50	27.1	27.8	21.3	26.4		28.7	
75	27.1	27.3	22.2	25.8		31.9	
100	27.2	27.0	22.3	25.1		30.8	
125	27.0	27.7	21.6	25.3		32.5	
150	26.9	26.5	22.1	24.7		32.3	
175	27.0	26.9	22.1	24.3		31.5	
200	26.6	26.4	21.8	26.2		26.9	
250	26.6	26.5	22.1	25.3		27.2	
300	26.3	26.3	22.3	26.0		26.0	

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J1

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	10	11	12	14	SEP	10	JAN
0	2.26	2.47	2.21	2.64		2.06	
10	2.22	2.50	2.20	2.55		2.49	
20	2.13	2.44	2.18	2.47		2.47	
30	2.10	2.64	2.20	2.54		2.14	
50	2.16	2.58	2.17	2.66		2.38	
75	2.19	2.54	2.25	2.53		2.18	
100	2.00	2.53	2.29	2.57		2.39	
125	1.96	2.51	2.27	2.57		2.42	
150	2.26	2.53	2.30	2.58		2.31	
175	2.28	2.53	2.36	2.49		2.42	
200	2.25	2.53	2.46	2.56		2.58	
250	2.27	2.52	2.43	2.69		2.58	
300	2.29	2.50	2.41	2.79		2.70	

44A SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J1

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	10	11	12	14	SEP	10	JAN
0	47.2	55.9	42.2	52.1		61.5	
10	47.3	50.8	43.2	53.2		62.9	
20	45.9	51.3	42.7	52.4		60.7	
30	47.7	53.9	42.6	51.5		55.2	
50	49.0	50.5	40.3	52.7		55.6	
75	48.5	50.0	42.3	51.3		61.7	
100	48.7	47.8	42.4	49.8		59.0	
125	48.5	47.5	41.3	50.7		62.0	
150	51.0	45.8	42.3	49.8		61.0	
175	50.6	45.7	42.4	48.7		59.6	
200	50.9	42.8	41.5	51.6		53.4	
250	50.6	41.6	42.1	49.5		54.4	
300	50.2	44.3	42.1	49.6		56.4	

DETAILED NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: JS

CRUISE IDENTIFICATION

DEPTH (M)	1977									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
0	25.7	27.4	21.7	24.5	29.9	27.0				
10	26.1	25.5	21.9	24.9	28.2					
20	26.1	25.4	21.9	24.6		26.8				
30	26.1	25.3	21.9	24.9		26.1				
50	25.9	25.2	22.0	25.3		25.9				
75	25.6	25.7	22.8	26.0		26.7				
100	25.4	25.5	22.0	26.0		26.1				
125	25.4	25.4	21.8	26.2		26.7				
150	25.3	25.4	22.0	28.8		26.5				
175	25.3	25.2	22.1	27.7		26.4				
200	25.2	25.3	22.5	25.4	30.3	26.7				
250	25.1	25.3	22.1			26.4				

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: JS

CRUISE IDENTIFICATION

DEPTH (M)	1977				1978	
	10	11	12	14	10	10
	JAN	MAR	MAY	SEP	JAN	JAN
0	2.48	2.41	2.28	2.56	2.40	
10	2.62	2.31	2.37	2.52	2.34	
20	2.64	2.33	2.54	2.68	2.48	
30	2.59	2.26	2.28	2.56	2.51	
50	2.47	2.20	2.22	2.61	2.41	
75	2.50	2.30	2.53	2.65	2.49	
100	2.43	2.27	2.41	2.56	2.43	
125	2.48	2.22	2.34	2.59	2.52	
150	2.53	2.17	2.20	2.63	2.52	
175	2.52	2.23	2.33	2.56	2.46	
200	2.57	2.20	2.16	2.59	2.44	
250	2.50	2.27	2.20	--	2.46	

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J3

CRUISE IDENTIFICATION

DEPT	10	11	12	14	15	10
(M)	JAN	MAR	MAY	SEP	NOV	JAN
0	44.8	40.5	40.3	47.1	54.9	54.1
10	46.1	34.6	41.8	47.9	52.3	50
20	45.4	44.8	42.1	47.5	--	53.5
30	45.2	52.8	41.9	47.3	--	52.2
50	45.5	47.2	41.2	47.9	--	52.3
75	45.8	48.3	43.2	48.5	--	54.3
100	45.8	48.4	41.7	49.0	--	52.0
125	46.4	47.5	41.2	50.6	--	54.1
150	45.0	47.5	41.0	52.8	--	53.8
175	45.1	47.1	41.4	49.5	--	53.7
200	44.2	46.7	41.7	49.1	54.4	54.7
250	44.2	47.0	40.8	--	--	53.8

MEAN NUTRIENT CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J4A

CRUISE IDENTIFICATION

DEPTH	1978		
	10	JAN	JAN
(M)	JAN	JAN	JAN
0	26.5	2.29	49.9
10	26.5	1.84	50.1
20	26.7	2.18	49.6
30	26.2	1.81	49.4
50	26.3	2.02	49.6
75	25.9	1.80	48.8
100	25.9	2.15	48.8
125	26.3	2.16	49.9
150	25.6	2.12	48.4
175	25.9	2.19	48.4
200	25.5	2.23	49.0
	NIT	PHOS	SIL

MEAN NITRATE CONCENTRATION (UG AT/L9)

STATION IDENTIFICATION: J6

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	10	11	12	14	15	10	JAN
0	25.0	23.9	21.2	24.3	28.5	26.3	
10	24.8	23.7	21.2	26.5	--	25.6	
20	24.9	23.9	21.5	26.5	--	25.9	
30	24.7	23.8	21.7	26.5	28.1	25.5	
50	24.3	23.8	21.6	28.3	28.5	25.0	
75	23.9	23.5	21.9	26.3	27.8	25.0	
100	23.5	22.4	22.4	26.0	27.9	25.3	
125	23.4	23.3	21.8	26.7	27.9	25.2	
150	23.5	32.2	22.3	25.7	27.9	25.0	
175	23.4	22.4	22.2	26.4	--	25.3	
200	23.4	--	--	--	27.4	--	

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J6

CRUISE IDENTIFICATION

DEPTH (M)	1977										1978
	10	11	12	MAY	SEP	NOV	JAN	10	JAN	10	JAN
0	2.19	2.16	2.10	2.10	2.70	2.29	2.30				
10	2.08	2.10	2.16	2.16	2.70	2.25	2.10				
20	2.11	2.06	2.16	2.16	2.70	2.20	2.20				
30	1.99	2.07	2.18	2.18	2.61	2.29	2.10				
50	2.07	2.09	2.19	2.19	2.77	2.00	2.00				
75	2.07	2.04	2.21	2.21	2.64	2.29	2.10				
100	2.25	2.04	2.18	2.18	2.64	2.26	2.10				
125	2.40	2.04	2.27	2.27	2.61	2.29	2.00				
150	2.37	1.99	2.23	2.23	2.60	2.29	2.00				
175	2.34	2.00	2.18	2.18	2.66	2.28	2.00				
200	2.11	2.31	2.31	2.31	2.31	2.31	2.00				

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J6

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	JAN	MAR	MAY	SEP	NOV	JAN	
0	47.8	46.1	40.1	46.0	42.9	42.7	
10	48.1	45.8	39.6	48.0	--	43.2	
20	48.3	45.1	40.0	48.2	--	44.0	
30	47.3	45.0	40.2	48.3	45.8	41.6	
50	46.4	45.0	39.3	48.6	45.7	43.8	
75	45.7	44.3	39.8	47.9	49.5	44.0	
100	42.6	43.5	40.5	47.6	48.9	43.5	
125	42.5	43.5	39.2	48.6	48.7	43.5	
150	42.4	43.5	40.3	46.8	47.1	41.8	
175	42.4	42.1	39.8	47.1	--	42.9	
200	42.0	--	--	--	47.5	--	

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: JA

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	10	11	12	14	15	10	JAN
0	25.2	24.5	14.9	25.7	27.6	26.6	
10	25.0	23.5	18.2	24.3	28.0	26.1	
20	24.8	24.1	21.0	26.2	--	26.0	
30	25.2	24.1	21.9	26.8	--	25.5	
50	25.1	23.6	20.9	26.3	30.6	26.8	
75	24.9	23.1	23.1	26.1	29.4	25.3	
100	24.5	22.9	22.5	26.2	28.4	25.3	
125	24.1	23.0	22.8	26.3	28.9	25.3	
150	24.0	23.2	19.9	26.4	31.5	25.1	
175	23.9	23.0	--	26.4	27.7	25.3	
200	23.8	24.4	20.0	--	30.0	25.0	
250	--	--	21.2	26.0	28.7	25.1	
300	--	--	19.7	--	--	--	

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J8

CRUISE IDENTIFICATION

DEPTH (M)	1977						1978	
	10	11	12	14	15	NOV	10	JAN
0	1.86	2.04	1.48	2.76	2.35	2.35	2.18	
10	1.95	2.05	1.59	2.73	2.36	2.36	2.21	
20	2.10	2.00	1.82	2.74	--	--	2.10	
30	2.07	2.12	1.66	2.80	2.35	2.35	2.14	
50	1.96	1.97	1.88	2.81	2.37	2.37	2.07	
75	2.02	2.05	1.91	2.60	2.32	2.32	2.06	
100	2.04	1.97	1.72	2.66	2.37	2.37	2.05	
125	1.97	2.07	2.07	2.55	2.34	2.34	2.08	
150	1.94	1.95	1.57	2.72	2.37	2.37	2.08	
175	1.84	1.96	--	2.72	2.32	2.32	2.15	
200	1.70	1.84	1.72	--	2.32	2.32	2.13	
250	--	--	1.70	2.55	--	--	--	
300	--	--	1.48	--	--	--	--	

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J8

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	10	11	12	14	15	10	JAN
0	47.4	46.7	29.1	46.5	49.9	46.7	
10	46.6	44.9	33.6	44.7	49.9	45.6	
20	46.4	46.7	38.9	47.3	--	45.4	
30	47.0	45.9	39.3	47.7	--	44.7	
50	47.2	43.9	37.7	47.2	54.7	43.6	
75	46.5	47.1	42.0	46.6	52.6	44.3	
100	45.3	43.7	39.7	46.2	40.0	44.4	
125	44.5	46.3	40.1	47.6	51.3	44.4	
150	44.2	43.5	36.2	46.6	51.1	44.0	
175	43.7	43.7	--	47.1	49.4	44.0	
200	43.8	45.8	32.0	--	51.4	43.8	
250	--	--	33.8	44.5	--	43.8	
300	--	--	33.2	--	--	--	
350	--	--	--	--	--	--	

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J9

CRUISE IDENTIFICATION

DEPTH (M)	1977 14 SEP	1978 10 JAN
0	25.9	25.8
10	25.7	27.0
20	26.1	26.6
30	25.7	28.6
50	26.7	26.5
75	27.0	28.5
100	26.7	25.5
125	27.4	23.8
150	27.0	25.8
175	26.6	26.5
200	27.2	26.2
250	26.3	23.6
300	26.8	24.6

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J9

CRUISE IDENTIFICATION

DEPTH (M)	1977 14 SEP	1978 10 JAN
0	2.47	2.20
10	2.46	2.18
20	2.40	2.24
30	2.36	2.13
50	2.51	2.09
75	2.40	2.15
100	2.55	2.04
125	2.49	2.07
150	2.49	2.12
175	2.47	2.09
200	2.48	2.03
250	2.45	
300	2.42	

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J9

CRUISE IDENTIFICATION

DEPTH (M)	1977 14 SEP	1978 10 JAN
0	47.9	47.2
10	47.2	49.6
20	47.7	48.8
30	47.7	52.6
50	44.2	46.9
75	46.3	52.3
100	47.5	46.3
125	48.7	43.4
150	47.8	46.9
175	46.8	48.3
200	48.9	47.8
250	46.3	42.5
300	46.6	44.7

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J10

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	10	14
	JAN	SEP
0	23.7	26.3
10	23.7	26.5
20	23.5	26.5
30	23.3	26.2
50	23.2	26.4
75	24.9	26.9
100	23.6	26.9
125	24.0	27.4
150	23.8	27.7
175	23.8	26.8
200	23.7	-
250	23.7	26.6
300	23.6	26.8

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J10

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	10	14
	JAN	SEP
0	2.14	2.42
10	2.11	2.34
20	2.01	2.40
30	1.74	2.31
50	1.86	2.42
75	1.81	2.34
100	1.79	2.33
125	1.69	2.42
150	1.66	2.47
175	1.91	2.55
200	1.79	
250	1.75	2.46
300	1.85	2.53

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J11

CRUISE IDENTIFICATION

DEPTH (M)	1977		1978	
	12	15	10	JAN
	MAY	NOV		
0	21.4	27.3	25.7	
10	--	27.7	26.7	
20	22.9	--	26.4	
30	--	30.7	25.9	
50	22.3	31.0	25.7	
75	22.2	28.1	25.4	
100	--	29.5	25.9	
125	--	28.8	26.8	
150	22.7	28.5	28.1	
175	--	30.1	28.2	
200	22.6	28.4	32.6	
250	22.6	28.1	27.5	
300	22.6	29.1	29.9	
350	22.6	27.9	25.9	

MEAN PHOSPHATE CONCENTRATION ($\mu\text{g AT/L}$)

STATION IDENTIFICATION: J11

CRUISE IDENTIFICATION

DEPTH (M)	1977			1978	
	12	15	NOV	10	JAN
0	2.01	2.30		2.20	
10	--	2.31		2.19	
20	1.92	--		2.22	
30	--	2.27		2.14	
50	2.11	2.32		2.16	
75	2.10	2.26		2.12	
100	--	2.28		2.10	
125	--	2.25		2.10	
150	2.09	2.26		2.10	
175	--	2.23		2.11	
200	2.12	2.22		2.10	
250	2.06	2.23		2.09	
300	2.14	2.27		2.07	
350	2.11	2.32		2.08	

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J11

CRUISE IDENTIFICATION

DEPTH (M)	1977			1978	
	12	15	NOV	10	JAN
0	39.4	49.3		48.2	
10	--	50.7		49.2	
20	41.6	--		49.7	
30	--	55.3		48.4	
50	40.4	56.5		49.1	
75	41.0	50.0		47.4	
100	--	53.3		48.1	
125	--	52.9		49.7	
150	40.9	51.3		51.9	
175	--	55.2		52.5	
200	40.3	49.9		60.3	
250	40.1	50.9		50.7	
300	41.4	53.4		55.4	
350	39.8	51.4		48.6	

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J12

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	10	14
	JAN	SEP
0	24.4	26.7
10	24.3	26.4
20	24.3	26.2
30	24.1	26.5
50	23.9	26.4
75	24.0	25.9
100	23.9	26.7
125	23.7	26.8
150	23.4	26.7
175	22.5	--
200	23.3	25.7
250	23.1	26.6
300	23.3	27.0
350	23.3	27.2
400	--	26.7
450	23.2	

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J12

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	10 JAN	14 SEP
0	2.05	2.41
10	2.10	2.35
20	1.84	2.35
30	1.81	2.38
50	1.99	2.30
75	2.01	2.38
100	1.80	2.40
125	1.89	2.43
150	1.86	--
175	1.96	2.40
200	2.01	2.39
250	2.09	2.37
300	2.01	2.47
350	2.08	2.50
400	--	2.42
450	2.09	

MEAN SILICATE CONCENTRATION ($\mu\text{g AT/L}$)

STATION IDENTIFICATION: J12

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	10 JAN	14 SEP
0	45.5	49.6
10	45.5	48.2
20	45.1	48.0
30	45.1	48.2
50	44.8	46.8
75	44.6	47.6
100	44.4	47.9
125	43.8	47.4
150	42.8	47.0
175	41.4	--
200	42.7	47.4
250	42.3	47.8
300	42.4	48.4
350	42.3	49.4
400	--	47.5
450	42.3	--

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J13

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978
	11. MAR	12 MAY	14 SEP	15 NOV	10 JAN	
0	24.6	20.5	25.6	27.4	25.6	
10	25.6	22.1	26.9	27.4	26.8	
20	24.0	20.0	27.6	--	28.1	
30	23.7	16.6	27.4	28.5	29.4	
50	23.1	22.5	27.9	28.9	29.6	
75	23.5	18.7	29.7	27.2	31.5	
100	22.1	21.5	29.4	28.1	30.0	
125	23.4	--	28.4	20.4	28.1	
150	22.3	20.6	30.9	26.7	28.6	
175	21.3	17.1	28.1	27.1	27.2	
200	21.8	21.3	29.8	27.2	24.7	
250	22.2	21.7	26.4	28.1	28.4	
300	--	21.5	27.1	--	6.5	
350	22.0	21.1	27.4	--	28.8	
400	22.0	--	26.7	27.4	--	
450	21.8	21.8	--	--	27.3	

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J13

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	11	12	14	15		10	JAN
	MAR	MAY	SEP	NOV			
0	1.99	1.84	2.38	--		2.19	
10	2.10	2.02	2.34	2.29		2.14	
20	1.92	1.99	2.39	--		2.17	
30	2.00	1.93	2.44	2.31		2.15	
50	2.01	1.77	2.33	2.30		2.12	
75	1.95	1.68	2.41	2.34		2.13	
100	1.89	1.63	2.43	2.24		2.11	
125	1.92	--	2.45	2.21		2.12	
150	1.95	1.76	2.44	2.24		2.12	
175	1.97	1.84	2.41	2.18		2.11	
200	2.02	2.00	2.50	--		2.12	
250	1.90	2.15	2.46	--		2.11	
300	--	2.19	2.49	--		2.10	
350	1.96	2.20	2.39	2.26		2.07	
400	1.95	--	--	--		--	
450	2.00	2.01	--	--		2.09	

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J13

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	11 MAR	12 MAY	14 SEP	15 NOV	10 JAN		
0	47.1	38.4	48.8	49.2	47.3		
10	49.1	40.8	49.6	50.0	49.7		
20	46.6	37.0	48.6	--	52.0		
30	46.4	30.7	48.9	51.6	53.9		
50	44.2	40.4	50.0	52.3	54.8		
75	44.7	34.0	53.5	48.4	58.6		
100	41.3	38.7	52.5	50.3	55.5		
125	45.9	--	50.5	--	51.8		
150	42.3	37.7	54.7	47.8	52.6		
175	40.6	30.5	50.4	48.6	50.6		
200	41.0	38.0	53.2	48.8	45.3		
250	41.6	38.6	47.8	50.4	52.1		
300	--	37.4	49.5	--	48.6		
350	41.6	40.5	49.4	--	52.9		
400	41.9	--	47.8	48.8	--		
450	41.6	38.0	--	--	49.9		

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J14

CRUISE IDENTIFICATION

DEPTH (M)	1977			1978		
	10	14	15	10	10	JAN
0	23.3	26.7	27.6	25.4		
10	23.3	26.8	27.1	26.9		
20	23.3	26.6	--	29.0		
30	23.0	26.7	30.8	29.9		
50	23.3	26.4	27.1	30.1		
75	23.4	26.7	--	27.2		
100	23.3	26.1	30.3	29.4		
125	23.4	27.9	29.4			

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J14

CRUISE IDENTIFICATION

DEPTH (M)	1977			1978		
	10	14	15	10	10	JAN
0	2.04	2.67	2.26	2.18		
10	2.04	2.72	2.25	2.20		
20	1.67	2.67	--	2.15		
30	1.81	2.70	2.20	2.08		
50	1.81	2.70	--	1.77		
75	1.85	2.65	--	2.08		
100	1.62	2.69	2.61	1.77		
125	1.92	2.73	2.36	1.66		

MEAN SILICATE CONCENTRATION ($\mu\text{g AT/L}$)

STATION IDENTIFICATION: J14

CRUISE IDENTIFICATION

		1977	1978
DEPTH	10	14	15
(M)	JAN	SEP	NOV
0	42.9	49.6	49.6
10	43.0	44.8	48.6
20	42.8	46.7	52.1
30	42.6	45.6	55.7
50	43.0	46.3	48.5
75	42.8	46.5	48.7
100	43.0	45.8	53.5
125	43.2	45.7	49.0

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J14A

CRUISE IDENTIFICATION

DEPTH (M)	1977 10 JAN	1978 10 JAN
0	23.1	27.1
10	23.1	30.2
20	22.7	27.0
30	22.6	28.4
50	22.9	24.8
75	22.8	26.0
100	22.7	24.9
125	22.6	23.4

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J14A

CRUISE IDENTIFICATION

DEPTH (M)	1977 10 JAN	1978 10 JAN
0	1.96	2.16
10	1.86	2.14
20	1.78	2.11
30	1.81	.05
50	1.83	2.07
75	1.81	2.07
100	1.84	2.07
125	1.77	

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: J14A

CRUISE IDENTIFICATION

DEPTH (M)	1977 10 JAN	1978 10 JAN
0	45.1	39.9
10	45.1	55.3
20	45.2	49.1
30	44.9	52.1
50	44.6	44.7
75	44.5	47.8
100	44.4	46.6
125	41.1	42.9

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: QST1

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978	
	10	12	14	15		10	JAN
0	22.5	20.1	26.2	28.3		24.5	
10	22.6	20.0	26.7	30.0		25.5	
20	22.8	--	28.5	29.5		26.0	
30	22.9	22.1	29.5	29.0		27.4	
50	21.8	23.0	28.7	28.5		27.3	
75	20.9	22.3	27.8	27.6		28.1	
100	19.4	22.7	27.8	28.4		26.5	
125	19.4	--	28.1	24.4		23.4	
150	19.3	25.1	30.7	26.0		22.5	
175	19.2	--	29.0	26.0		20.6	

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: QST1

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978
	10 JAN	12 MAY	14 SEP	15 NOV	10 JAN	
0	1.77	1.91	2.51	2.31	2.05	
10	1.85	2.02	2.49	2.24	1.87	
20	1.78	2.17	2.58	2.29	1.83	
30	1.98	2.10	2.61	2.42	1.92	
50	1.85	2.00	2.51	2.40	1.81	
75	1.78	2.08	2.54	2.28	1.87	
100	1.66	2.10	2.41	2.50	1.70	
125	1.58	--	2.51	2.05	1.78	
150	1.62	2.35	2.49	2.15	1.65	
175	1.60	--	2.71	2.17	1.65	

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: QST1

CRUISE IDENTIFICATION

DEPTH (M)	1977					1978
	10	12	14	15	10	JAN
0	42.6	33.2	46.8	50.7	45.4	
10	42.6	--	46.3	53.7	46.6	
20	42.5	--	48.3	53.2	46.4	
30	42.7	38.0	50.9	49.3	49.8	
50	42.3	39.2	49.1	51.0	50.2	
75	37.7	38.1	47.2	49.3	51.2	
100	34.5	39.1	45.7	51.0	49.3	
125	34.7	--	47.8	42.7	42.5	
150	35.7	42.1	51.8	46.4	40.1	
175	35.1	--	52.1	47.8	37.5	

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: GST3

CRUISE IDENTIFICATION

DEPTH (M)	1977		1978	
	10	14	10	JAN
0	21.6	23.7	24.4	
10	23.4	24.2	31.0	
20	23.2	28.8	30.3	
30	23.6	26.0	30.0	
50	24.2	26.0	33.2	
75	23.5	26.5	34.9	
100	22.7	28.5	31.6	
125	22.4	28.6	31.0	

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: GST3

CRUISE IDENTIFICATION

DEPTH (M)	1977		1978	
	10	14	10	10
	JAN	SEP	JAN	JAN
0	1.94	2.30	2.01	
10	1.86	2.32	2.02	
20	1.72	2.37	2.01	
30	1.65	2.41	1.97	
50	1.91	2.35	1.96	
75	1.73	2.41	2.01	
100	1.61	2.50	2.08	
125	1.76	2.64	2.04	

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: QST13

CRUISE IDENTIFICATION

DEPTH (M)	1977		1978	
	10	14	10	10
	JAN	SEP	JAN	JAN
0	40.3	44.1	44.1	
10	43.4	3.9	55.7	
20	43.0	50.5	54.7	
30	43.2	44.6	53.5	
50	42.4	41.6	59.6	
75	39.4	44.5	62.6	
100	36.6	49.5	56.7	
125	36.1	47.6	55.9	

MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: 9814

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	10	12
	JAN	MAY
0	23.4	19.8
10	23.9	21.1
20	23.6	20.6
30	23.1	19.3
50	20.6	18.5
75	17.8	19.1
100	16.2	22.8
125	17.1	--
150	18.7	28.3
175	18.7	--
200	--	26.3
250	--	28.2
300	--	29.0

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: QST4

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	10	12
	JAN	MAY
0	1.69	1.81
10	1.65	1.99
20	1.72	2.07
30	1.75	1.74
50	1.52	2.06
75	1.47	1.88
100	1.37	2.03
125	1.46	--
150	1.61	2.37
175	1.52	--
200	--	2.27
250	--	2.26
300	--	2.42

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: 0814

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	10	12
	JAN	MAY
0	44.1	30.2
10	44.8	35.4
20	44.1	34.5
30	43.3	31.7
50	37.4	31.0
75	29.7	33.1
100	27.6	38.6
125	28.8	--
150	31.0	48.2
175	30.8	--
200	--	46.2
250	--	49.2
300	--	50.7

MEAN NUTRIENT CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: Q876

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	10 JAN	10 JAN
0	23.3	1.87
10	23.1	1.68
20	22.5	-
30	21.7	1.68
50	20.6	1.61
75	20.7	1.65
100	20.8	1.88
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MEAN NITRATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: 301

CRUISE IDENTIFICATION

DEPTH (M)	1977		
	12 MAY	14 SEP	
0	20.1	11.7	
10	17.6	12.1	
20	17.0	13.0	
30	20.0	12.6	
50	--	16.4	
75	--	22.8	
100	--	31.3	

MEAN PHOSPHATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: 001

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	12 MAY	14 SEP
0	1.88	1.34
10	1.79	1.33
20	1.67	1.38
30	1.83	1.48
50	--	1.60
75	--	2.07
100	--	2.34

MEAN SILICATE CONCENTRATION (UG AT/L)

STATION IDENTIFICATION: 001

CRUISE IDENTIFICATION

DEPTH (M)	1977	
	12 MAY	14 SEP
0	34.8	20.4
10	31.3	20.3
20	29.1	22.9
30	35.1	23.6
50	--	27.7
75	--	37.3
100	--	51.7

Nutrients for Queen Charlotte Strait Stations, Cruise 78-10,
January 1978. Concentrations in μg at ℓ^{-1} .

Depth	STATION QST 5			STATION QST 8			STATION QST 9			STATION QST 10		
	NO3	PO4	SiO3	NO3	PO4	SiO3	NO3	PO4	SiO3	NO3	PO4	SiO3
0	22.7	1.93	40.1	20.8	1.72	36.7	19.9	1.54	32.1	17.8	1.52	31.1
10	22.6	1.81	40.2	29.0	1.62	51.5	20.6	1.55	32.3	19.2	1.68	33.8
20	22.6	1.99	40.1	21.5	1.67	38.1	19.1	1.60	32.5	19.5	1.67	34.5
30	23.6	1.92	39.7	27.1	1.82	47.7	19.4	1.56	31.9	19.3	1.71	32.4
50	23.4	1.90	41.2	22.8	1.67	40.5	18.9	1.62	32.9	18.9	1.67	33.1
75	23.4	1.97	41.2	22.4	1.85	39.5	20.7	1.64	33.7	19.1	1.67	33.5
100	23.8	2.00	42.2	26.0	1.89	45.7	20.4	1.73	36.6	18.9	1.67	32.8
125	22.3	1.88	39.4	26.5	1.75	45.9	20.1	1.64	34.5	19.6	1.70	34.3
150	20.4	1.75	35.6				19.1	1.59	32.7	19.0	1.71	33.1
175	20.1	1.73	34.9				16.6	1.56	29.4	19.7	1.74	34.3
200	19.7	1.60	34.2				17.1	1.59	28.8	20.6	1.71	35.6
250	20.1	1.79	35.8				20.7	1.37	27.2	21.2	1.71	38.6
300							18.9	1.42	25.7	23.4	1.85	41.8
350							15.0	1.40	25.1	-	-	-
375										22.2	1.94	41.2

